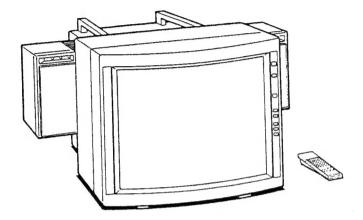
# <u>53</u> B.

# **SERVICE MANUAL**

French Model
Chassis No. SCC-D72A-A



# CE-1 CHASSIS

Note: The service manual for SS-XT291 has been issued separately.

V-FX2921B

#### **SPECIFICATIONS**

Television system B/G/H, I, L

PAL, SECAM, NTSC3.58, NTSC4.43

....

Channel coverage VHF: E2-E12, F2-F10

UHF: E21-E69, F21-F69, B21-B69

CABLE: S01-S03, S1-S41

Picture tube

Color system

Trinitron tube

Approx. 72.4 cm (29 inches)

(Approx. 68 cm picture measured diagonally

110°-degree deflection

Inputs

Ö- 1 21-pin connector:

CENELEC standard including RGB input.

→ 2 21-pin connector : including S video input

G-3 Video, Audio: phono jack

Outputs

21-pin connector: CENELEC standard Headphones jack: stereo minijack External speaker terminals: 2-pin DIN Audio output jacks: phono jack (output

dependent upon TV settings)

Sound output

20 W + 20 W (music power)

Power consumption

171 Wh

Dimensions

Approx. 666x532x526.5mm (w/h/d)

Weight

Approx. 52kg

Supplied accessories RM-698 Remote Commander (1)

IEC designation R6 batteries (2)

SS-XT291 Detachable Speaker (1 set

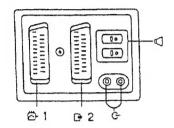
Speaker cord with plug (2)

Design and specifications are subject to change without notice.

TRINITRON® COLOR TV SONY®



## 21 Pin Connector ( 1 0 2)



Pin No	1	2	Signal	Signal level
١	0	0	Audio output B (right)	Standard level: 0.5Vrms Output impedance: Less than Ikohm*
2	0	0	Audio input B (right)	Standard level: 0.5Vrms Input impedance: More than 10kohms.*
3	0	0	Audio output A (left)	Standard level: 0.5Vrms Output impedance: Less than 1kohm#
4	0	0	Ground (audio)	
5	0	0	Ground (blue)	
6	0	0	Audio input A (left)	Standard level: 0.5Vrms Input impedance: More than 10kohms#
7	0	•	Blue input	0.7V±3dB, 75ohms, positive
8	0	0	Function select (AV control)	High state (9.5-12 V): Part mode Low state (0-2 V): TV mode Input impedance: More than 10kohms Input capacitance: Less than 2 nF
9	0	0	Ground (green)	
10	0	0	Open	
U	0	•.	Green	Green signal: 0.7V±JdB. 75ohms. positva
12	0	0	Open	
13	0	0	Ground (rad)	
14	0	0	Ground (blanking)	
	0	-	Red input	0.7V±3dB, 75ohms, positive
15		0	(S signal) croma input	0.3V±3dB, 75ahms, positive
16	0	•	Blanking input (Ys signal)	High state (1-3 V) Low state (0-0.4 V) Input impedance: 75ohmes
17	0	0	Ground (video output)	
18	0	0	Ground (video input)	
19	0	0	Video output	1V±3dB, 75ohms, positive Sync : 0.3V (-3, +10dB)
20	. 0	-	Video input	1 V±3dB. 75ohms, positive Sync: 0.3V (-3, +10dB)
20	-	0	Video Input/Y (S signal)	1 V±3dB. 75ohms, positive Sync: 0.3V (-3. +10dB)
21	0	0	Common ground (plug, shield)	

O connected

• unconnected (open)

\* at 20 Hz-20 kHz

#### WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

#### SAFETY RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK

NON THE SCHEMATIC DIAGRAMS, EXPLODED
VIEWS AND IN THE PARTS LIST ARE CRITICAL TO
SAFE OPERATION. REPLACE THESE COMPONENTS
WITH SONY PARTS WHOSE PART NUMBERS APPEAR
AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS
PUBLISHED BY SONY.

#### ATTENTION!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

#### ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE À SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

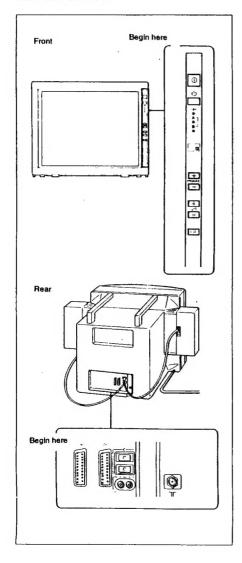
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# SECTION 1 GENERAL

## 1-1. IDENTIFICATION OF CONTROLS (INDEX)

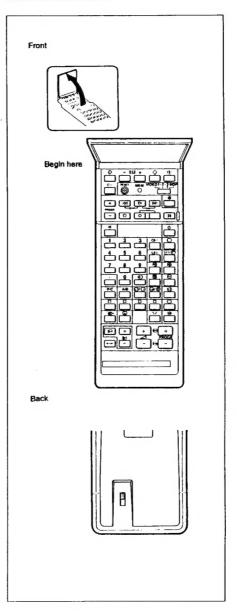
#### Television receiver



#### **Symbole** Function 0 Main power on/off switch Q Standby display -(E)> Noise reduction function indicator A mode indicator B mode indicator F Remote control sensor The program or channel search keys. Likewise used to go from the PROGR/C standby mode to the TV mode when the remote control is not used. Sound level adjustment keys TV/VIDEO selector **&**-Headphone jack (mini stereo jack) Located on the right side Appears in the upper right corner and the above the bar. It indicates the numbers of the programs, the On-screen numbers of the broadcasing Display channel, the television system, the entry modes and settings of the picture and sound, Appears on the top of the screen, it Bar indicates the level of the picture and display sound adjustments.

Symbole	Function		
G+2	21 pin input connector. Connects it to a VTR equipped with an S video output jack, to an 8 mm format camescope, etc.		
Q-1	21 pin input connector. Connects it to a VTR, a computer, etc.		
□ L/G/S Terminal for left speaker.     □ R/D/D Terminal for right speaker.     □ R/D/D Right channel jack for audio out			
		C+ L/G/S	Left channel jack for audio output
		γ	Antenna jack

#### Remote commander

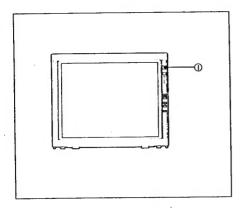


Symbole	Function	
€	Presetting key	
ED	Tuning key	
$\Diamond$	Save key	
À	Selector of the television system	
VIDEO	Video mode selector for learning	
1/2/3/MDP	function	
MEM	Memorization/response Indicator	
RESET	Reset key for learning function	
C	Erase key	
PROGR	Program search key for the video set	
Keys <b>←</b> ◀, ▶, ▶▶, ■. ●. Ⅲ	Operating keys for the video set	
0	Power on/off key of video set	
啄	Mute activation key	
ტ	Power on/off key (standby)	
0	Television key Use to change from standby mode, from the video mode or from the teletext mode to the TV mode.	
<b>⊕1</b>	Entry keys	
1 - 9, 0	Numerical program keys	
-/	Use -/ to choose a program higher than 9.	
€	Teledistribution key	
<b>®</b>	Actual time display key Available when the chosen channel transmits in teletext mode	
<b>①</b>	Key for the appearance/ disappearance of display on screen	
A/B	Sound mode A or B selector	
P/C	Program/channel key	
-₩>	Noise reduction key	
0	Image freeze key	
V	Physiological correction key	
<b>①</b>	Spatial sound key	
PROGR	Program search key	
7	Sound level adjustment keys	
●	Image and sound adjustment keys	
→•←	Reset key Used to reset the settings to those set at the factory.	
USE/MEM	Usage/memorization selector for learning function	
The keys indicated in green are intended for the teletext mode.		
The keys indicated in red, green, yellow, blue and are indicated for the teletext TOP mode.		

## 1-2. POWER ON/OFF

Press ( () ) to turn the television power on. To turn the power off for an extended period, for example, before going to bed or going out, press ( () ) again.

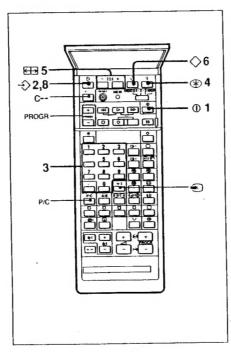
In order to cut off the power for only a short period, use the ( (b) ) key of the remote control



## 1-3. PRESETTING OF THE CHANNELS

As soon as the television channels have been preset by the numerical keys of the remote control, you can view the desired programs by pressing a single key.

During the presetting, the television sequentially tunes in a maximum of 60 (0 to 59) active channels in the usage region, from lower to higher frequencies and vice versa, so that you can decide whether or not to memorize each channel. The presetting is done using the remote control.



Step	Results
1 Press ( ① ) to turn on the power.	The indicator ( ① ) of the television lights up.
2 Press 🔷 to set the presetting mode.	"P" begins to flash.    DDDD - P1 C01
3 Press the numerical program keys to choose the program to be preset first.  Example:  • To begin with position 1, press the program 1 number key.  • To choose a program position above 9, press -/  Example:  To choose the program position 23, press -/ 2 and 3 this order.	
4 Press (X) to choose the television system.	With each push of the key ∰, the television system display will change as follows.  B/G → L → I L: France I: United Kingdom/ Ireland B/G: Other Western European countries (See "Receivable Channels and Channel Display" page 28).
5 Press + or - to initiate the channel search forward (from the lower to higher frequencies) backward (from the higher to lower frequencies).	th "P" stops flashing, while "C" begins to flash. When a channel is tuned in, the search stops.  B/G
6 If this channel is one that you intend to use often, prethe to put it in the memory.  If the channel is not one you want, go back to step 5.	"C" stops flashing, while "P" begins to flash.
7 Repeat the steps 3 to 6 for all the desired channels.	
8 Press to go back to the viewing mode of t television.	

٦

#### Skipping the positions of non-used programs

You can ignore the proof gram positions that you do not wish to use. This function is used in the following cases:

- If the channel tuned in is too weak and has interferene due to the low sound signal strength.
- If only 20 channels have been tuned in and you wish to ignore the 40 vacant positions in your region.
- If the same programs are tuned in on different channels in your region.

	Step	Results
1	Press 长 to go to the presetting mode.	DDDD - P1C01
2	Press the key of the program number to be ignored.	
3	Press the C— key.	0000 P C—
4	Press 🔷 .	· _
5	Press to return to the viewing mode of the television.	.—

#### Direct presetting of the channels

If you already know the numbers of the channels, you can preset them directly.

	Step		
	Follow the below steps 1 to 4 ("Presetting of the channels", page 9), then proceed as follows:		
5	Press P/C.		
6	Choose the number of the desired channel by sequentially engaging the two numerical program keys.		
	Example: To tune in channel 32, press 3, then 2.		
	To tune in channel 4, press 0, then 4.		
	To tune in channel of the teledistribution, press		
	( appears on the screen), then sequentially push in the two numerical program keys.		
	Remark:		
	Upon engaging the two numerical program keys, press		
	the second within the 5 seconds that follow the		
	pushing of the first, if not the operation will be canceled and the display will return to the original display.		
7	Press 🔷 to memorize the channel.		
8	Repeat the steps 6 to 8 for the other channels.		
9	Press to return the the viewing mode of the television.		

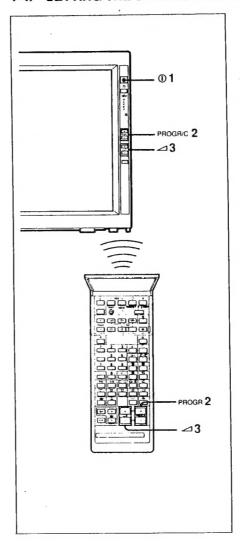
If you forget the number of the channel, at the time of direct presetting of the channels and you wish to preset the channel using the tuning keys, press the P/C key again.

## Designation of a channel

After presetting, you can assign a 4 character name to the preset channels.

	Step	Results	
1	Choose the program number by pressing the numerical program keys of the remote control.		
2	Press 🔷 to go to the presetting mode.	_	
3	Press 🐑 .	The column at the right end of the channel name flashes.	Preset channel
			B/G
4	Press + or - to choose an alphabetic or numerical character.		
5	Press .	The second column flashes.	AUEO P1C32
			B/G
6	Repeat the steps 4 and 5 to enter the other characters.		
7	Press 🔷 . If the name has not been memorized, return to the step 2.	In this step, all the data of channel displayed on the screen are memorized.	ABCD P1C32
			B/G
8	Press to return to the viewing mode of the television.		ABCD 1
	·		

## 1-4. SETTING THE STANDBY MODE



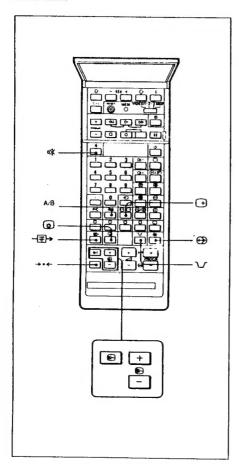
In Order to	On the Remote Control	On the Front Panel
Turn off the television power a short time (set on standby).	Press () .	( 心 lights up.)
Turn on the television power by means of the standby mode.	Press the desired numerical program key.	Press PROGR/C.
Turn the television power completely off:  Before going to bed or going out.		Press ① .
Before going out, leaving on vacation, etc.		Disconnect the power cord at the rear of the wall socket.

#### Remarks:

When you go from the TV mode to the standby mode, there a small delay may occur before the picture reappears.

## 1-5. ADJUSTMENT OF THE PICTURE AND SOUND

In order to obtain an excellent quality picture, you can adjust the image and the sound in relation to the brightness of the location, of the input source and other factors, by using the remote control.



Adjustment Parameters	Operation
Color intensity	Press until the Pappears, accompanied by a barred
<b>&amp;</b>	display.  Then press the + to accent the colors or - to reduce them.  and the bars appear several seconds later.
Contrast	Press the ① until the @
<b>(</b>	appears, accompanied by a barred display. Then press the + to accent the contrast or - to reduce it. and the bars appear several seconds later.
Brightness	Press the 📵 until the 🔆
<b>☆</b>	appears, accompanied by a barred display.  Then press the + to brighten the picture or - to darken it.  and the bars appear several seconds later.
Tint (only for color NTSC system)	Press the until the sappears, accompanied by a barred display.  Then press the + to add
111111 - 1111111111 125	greenness the skin tones or – to add redness to them.  Leta and the bars appear several seconds later.
Sharpness	Press the until the appears, accompanied by a barred display.  Then press the + to accent
Ф	the sharpness of the picture or – to reduce it.  and the bars appear several seconds later.
munu	Remark: When the RGB entry mode (
Low pitch sounds	Press the until the 7
	appears, accompanied by a barred display.  Then press the + to increase the response for low
2	pitch sound or to reduce it.  ') and the bars appear several seconds later.

Adjustment Parameters	Operation
High pitch sounds	Press the until the appears, accompanied by a barred display.  Then press the by to increase the response for high pitch sound or to reduce it.
	d and the bars appear several seconds later.
Balance between the left and right channels	Press the until the appears, accompanied by a barred display. Then press the + to accentuate the sound level of the right speaker, or - to accentuate the sound level of the left speaker.
minn-mann	△ and the bars appear several seconds later.
To reinitialize all the adjustments to those effected at the factory	Press the →・←
To accent the high and low tonality at low sound volume	Press the The indicator appears on the screen. To re-establish the original sound, press this key again. The indicator appears for several seconds on the screen, then goes out.
To obtain a spatial sound effect	Press the The Indicator appears on the screen. To re-establish the original sound, press this key again. The indicator appears for several seconds on the screen, then goes out.
To view a fixed picture	Press the To release this function, press the key again.
To reduce noise	If the picture is subject to parasitic noise, press the The Indicator lights up on the screen.
To cause the display to appear on the screen	Press the To make it disappear, press the key again.
To muffle the sound	Press the To re-establish the previous sound, press the key again.

#### Listening to a bilingual program

Choose the A or B mode, by pressing the A/B key on the remote control.

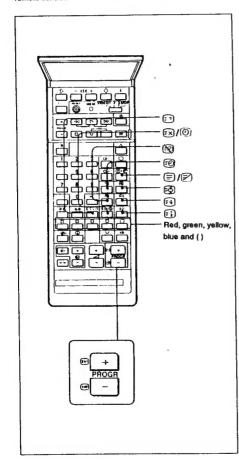
With each push on his key, the mode and the indicator change as follows.

A (the indicator A lights.)
B (the indicator B lights.)

A and B (the indicators A and B light.)

8

The keys intended for this are indicated in green on the remote control.



#### Operation:

Turn i			

- 2 Choose the television channel for the teletext service.
- 3 Press the (ext/mix) to cause the teletext service to appear.
- 4 Enter the three numbers for the page desired by the numerical program keys.

If an error is committed, finish the entry sequence by randomly typing numbers, then, re-enter the correct page number.

The requested page appears.

To return to the television viewing mode, press the (TV) of the remote control.

In order to receive the teletext services directly from the standby mode, press the (=)/(>) (text/mix).

To receive the teletext service on another television channel

- 1 Press (TV) to return to the television viewing mode.
- 2 Choose another television channel.
- 3 Press the 🗐 /🔊 (text/mix).

#### To call the index page

Press the (i) (index).
If the necessary signal is not emitted, the page 100 appears.

#### To access the following or preceding page

Press the key (following page) or (e) - (preceding page).

#### To superimpose the teletext on the TV image

Press the  $\bigcirc$  / $\bigcirc$  /(text/mix) twice from the TV mode. Again press the  $\bigcirc$  / $\bigcirc$  /(text/mix) to go back to the display of the teletext.

# To make the teletext disappear and make the TV picture reappear

Press the 💽 /⑥ (erase/time).

This key is operable from the teletext mode ( 🖃 ) and from the displayed mode 🔗 (mix).

To return to ordinary teletext reception, press the 🚍 /

To return to ordinary teletext reception, press the (=) (text/mix).

#### To prevent that a teletext page is updated or modified



To return to ordinary teletext reception, press the (=) /(>) (text/mix).

#### To enlarge the teletext display

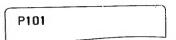
'Press the (enlargement of the display) to enlarge the upper half of the display. Push it in again to enlarge the lower half of the display. Push it in a third time to return to the normal display.

To reveal hidden information, such as responses to an inquiry

Press the (revelation) key. Press again to hide Information. To view a TV program while waiting the display of the requested page

1 Request a new page.

2 Press the (x)/(x) (text/mix) to view the televised program. The number of the requested page appears above the screen. When the requested page is found, its number appears in the upper left corner of the screen.



To look at this page, press the () (text/mix).

#### To display a desired page at the determined moment

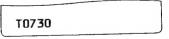
Call up a coded time page (for example, the alarm page).

Press the (engagement of the time page).

T\*\*\*\*\* appears on the bottom of the screen.



3 Enter the desired time by the numerical program keys, by typing four numbers. For example, type 0730 for seven thirty.



To watch the program televised by the required time, press the  $\mathbb{R}/\mathbb{Q}$  (erase/time). At the preset time, the page number appears on the bottom of the screen. To look at this page, press the  $\mathbb{R}/\mathbb{R}$  (text/mlx).

To cancel the request, first be sure that the teletext page is displayed, then press the ( ) (time page out of service).

## To display the actual time while watching a TV program

Press the  $\boxed{\text{Fe}}/\boxed{\bigcirc}$  (erase/time) of the remote control. The actual time appears in the upper right corner of the screen. To make this display disappear, again press the key  $\boxed{\text{Fe}}/\boxed{\bigcirc}$ 

The displayed time is identical to the indication of the time in the teletext mode. This function is only operable when a teletext service is transmitted on the selected channel.

## Access to pages by category — TOP teletext function

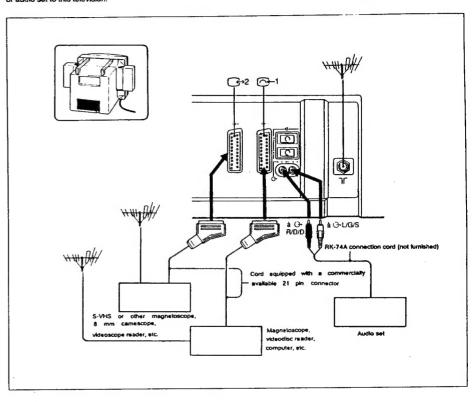
When the television receives TOP teletext signals (in the F.R.G. and in the signals, you can access pages by category another. This permits you to rapidly access information when you do not know the desired page number.

#### Operation

	Step	Results
1	Press the (TOP) key.	A maximum of 8 blocks of categories (example: sports, information and meteorological bulletins) appear.
2	Choose the block of the category by pressing the following block key several times (blue key).	Each time this key is pressed, the heading groups of the category block chosen (for example, information on the economy, on education or on politics) appear.
3	Choose the desire group of headings by pressing the following block key (yellow key).	One of the information pages of the selected group appears.
4	Choose the desired page.  Press the green key to go to the following page and press the red key to return to the preceding page.	, <u>-</u>

## 1-7. CONNECTION OF OTHER APPARATUS

You can obtain pictures of video banks and optical video discs, as well as stereophonic sound, by connecting a video or audio set to this television.



The magnetoscope can also be connected by the  $\neg \gamma \Gamma$  jack of this set.

0

#### To watch pictures coming from the 21 pin VIDEO 1 connector ( -1)

In Order to	On the Remote Control	On the Television	Display on the Screen
Watch a video signal	Press the 🕞 1	Press the 🕒 *.	(VIDEO 1)
Watch an RGB signal coming, for example, from a computer.	Press the 🕒 I twice	Press the 🕒 *. ·	(RGB)

## To watch pictures coming from the 21 pin VIDEO 2 connector ( ->2)

in Order to	On the Remote Control	On the Television	Display on the Screen
Watch a video signal	Press the 🕩 2 .	Press the 🕞 *.	⊕-? (VIDEO 2)
Watch a signal coming from a magnetoscope equipped with an S VIDEO output.	Press the ⊕ ? 2 twice	Press the ⊕ *.	G-s (s VIDEO)

To return to the viewing mode of the television from the VIDEO 1, RGB, VIDEO 2 or \$ VIDEO mode

Press the . (TV) or the numerical program key of the remote control.

#### Concerning video S input

The video signals are divided into Y signals (brightness or brilliance) and C (chrominance).

Normally, these two types of signals are combined in a magnetoscope and output as a single signal, then sent to a television. The separation of the Y and C signals prevents one from interfering with the other, which as a consequence improves the quality of the pictures, notably the brightness.

#### \*Remark on the 🕒 key of the television

TV - VIDEO 1 🕒 - RGB 🗇 - VIDEO 2 🕞 2 - S VIDEO 🗇

#### Remark:

When the RGB input mode is chosen (  $\stackrel{\smile}{\bigoplus}$ ), the sharpness of the picture cannot be adjusted.

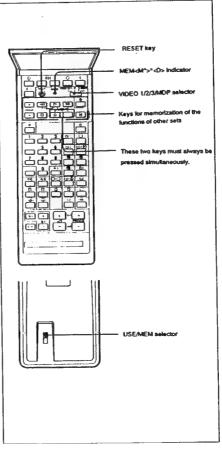
#### Remarks on the connections

- If the picture is deformed or has interference separate the set connected to the television.
- When a video set is joined to two input connectors ( <a>-1</a> and <a>-2</a> ), disconnect the one which is not being used.
- Plug the computer only into the VIDEO 1 ( ) connector.

# 1-8. OPERATION OF ANOTHER SET USING THE SUPPLIED REMOTE CONTROL

You can operate your video set by means of the remote control that has been supplied, thanks to the learning function with which it is equipped.

#### Controls used for learning



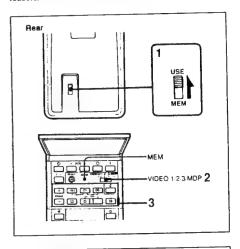
\* MEM indicator operates as response indicator when USE/MEM selector is set to USE.

It lights up momentarily when the operation key other than RESET and REC is pressed.

#### Operation of a Sony video set

To operate a video set manufactured by Sony, it is pointless to call upon the learning function.

You can operate cassette type magnetoscopes (including Beta, 8mm and VHS) function), as well as vodeodisc readers.



- Set USE/MEM to USE. Normally leave this selector in the USE position to operate the television.
- 2 Set the VIDEO 1/2/3/MDP in relation to the connected video set.

Set	Position of the selector
Beta magnetoscope, ED Beta	VIDEO 1
8mm VTR	VIDEO 2
VHS magnetoscope	VIDEO 3
Videodisc reader	MDP

3 Use the keys of this area to operate the video set.

#### Operation of a VCR

To record	Simultaneously press and the key located to its right.
To begin the reading	Press ▶.
To stop the scrolling	Press 🔳 .
To rapidly advance the tape	Press
To rewind the tape	Press ◀ .
To momentarily stop	Press III.
To look at pictures scrolling at high speed and find a particular scene	Hold Do or 44 during the reading. To resume norms reading, release the key.

#### Operation of a videodisc reader

To start the reading	Press ▶.
To stop the disc	Press 🗎 .
	Press II.
To watch pictures scroll at high speed and find a particular scene	Hold pr 41 in during the reading. To resume normal reading, release the key.

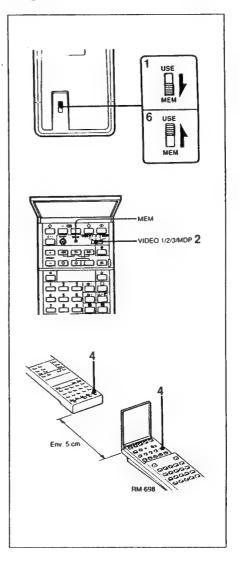
#### Remark:

In certain cases, this remote control cannot actuate the functions of the connected video device.

#### Operation of a video device of another manufacturer

Practically any key of the learning area is capable of memorizing the remote control function with a Sony set, as well as a device of another manufacturer.

You can memorize a function on each function key, in learning mode.



- 1 Adjust USE/MEM on MEM.
- 2 Set VIDEO 1/2/3/MIDP in relation to the connected video device.
- 3 Place this remote control and the other face to face at a distance of 5 cm.

To achieve a more precise learning

Do not move the remote control during the memorization process.

- Keep the key on which a function must be memorized pressed down (the MEM indication lights), as well as the function key of the other remote control, until the MEM indication disappears.
- If a non-programmable key is depressed, the MEM indication flashes eight times, then goes out.
- 5 Repeat the steps 2 to 4 to continue to memorize functions.
- 6 Once the learning is finished, reset USE/MEM on USE.

  Be sure to reset the USE/MEM selector on USE position after memorization, if you do not, you will not

be able to operate the device.

 When you operate the device by learned functions, the VIDEO 1/2/3/MDP must be set in the same position as during the learning.

To memorize a new function on the same function key.
 Example: Stop function → ■ key (stop)

Reading function → ▶ key (read)

 It is also possible to memorize the functions of an audio device.

#### Attention:

3

When replacing the batteries, install them within about 30 minutes, if you do not do so, the memorized functions will be erased.

#### Remarks on the memorization function

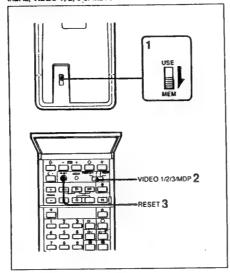
- Verify that the functions have been correctly and well memorized, because certain remote operating functions of other manufacturers are not memorizable on this remote control.
- When a new function is assigned to a key, the preceding function is automatically erased.
- . When the memory is saturated, the MEM key flashes.

The learning function will not function in the following cases:

When	It is then necessary
<ul> <li>A fluorescent light or an apparatus emitting infrared rays is located in the proximity.</li> </ul>	To separate the remote control from the source of interference.
The batteries are depleted.	To replace the batteries with new ones.
An obstacle is interposed between the remote control or it is not directly facing the target.     The remote control has been moved during the memorization process.	To correctly position the both remote controls.

#### Erasing of the memorized functions

You can erase memorized functions of each learning mode, that is, VIDEO 1, 2, 3 or MDP.



1	Set USE/MEM on MEM.	-
2	Set VIDEO 1/2/3/MEM on the position to be erased.	_
3	Press RESET.	All the functions memorized in the learning mode are erased. The MEM indication lights for several moments, then goes out.

#### Remark

When the memorized functions are erased, the function keys of the programming area retain their memory which was input at the factory, such that it becomes possible to normally operate a video set manufactured by Sony.

# 1-9. RECEIVABLE CHANNELS AND DISPLAY OF THE CHANNELS

FRENCH SECAM-L SYSTEM	
Receivable channels	Display of the channels
2	C02
3	C03
:	
. 10	C10
21	C21
:	
69	C69

FRENCH CABLE NETWORK		
Receivable channels	Display of the channels	
В	02	
С	03	
D	04	
	:	
0	15	
Р	16	
0	17	

B/Q PAL SYSTEM		
Receivable channels	Display of the channels	
E2	C02	
3	C03	
4	C04	
:		
12	C12	
21	C21	
:		
69	C69	

ITALY		
Receivable channels	Display of the channels	
A	C13	
В	C14	
С	C15	
D	C16	
E	C17	
F	C18	
G	C19	
н	C20	
H1	C11	
H2 C12		

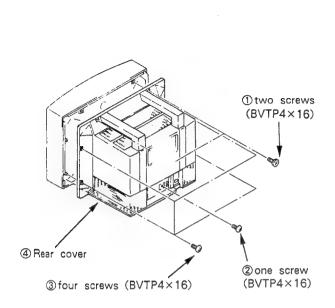
ay of the channels 01 02
02
:
41

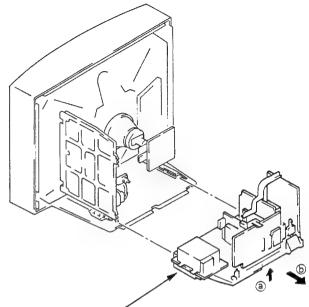
CABLE TV NETWORK (2)				
Receivable channels	Display of the channels			
S01	42			
: S05 M1 :	46 · 01			
			M10	10
			U1 11	
			:	:
U10	20			

# SECTION 2 DISASSEMBLY

## 2-1. REAR COVER REMOVAL

## 2-2. CHASSIS ASSY REMOVAL

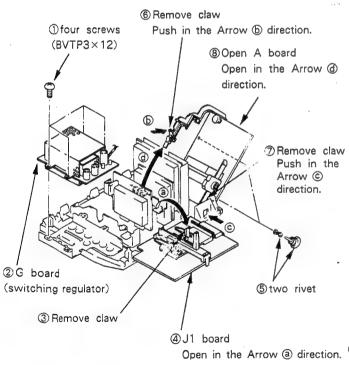


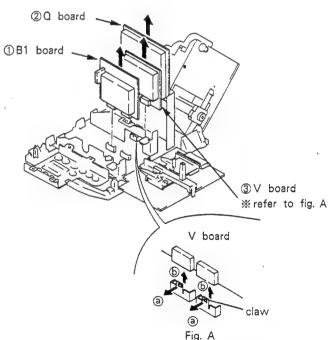


Lift and pull out the rear part of the main chassis toward the rear.

## 2-3. G BOARD (SWITCHING REGULATOR) REMOVAL AND J1, A BOARDS OPENING

## 2-4. B1, Q AND V BOARDS REMOVAL



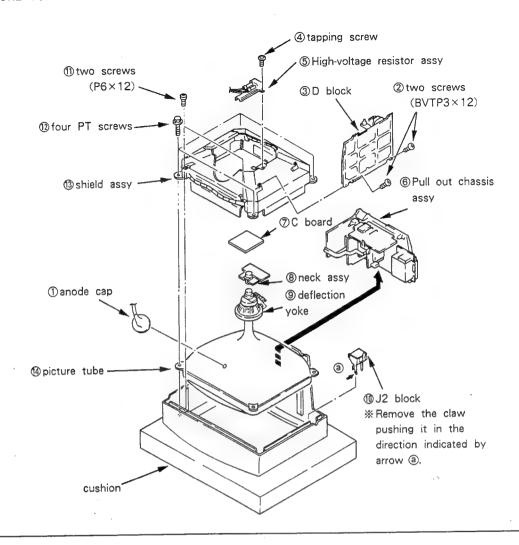


Open in the Arrow @ direction. 

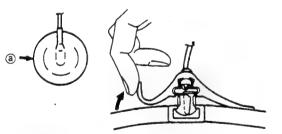
Pull out V board after removing the two claws on the connector holding V board in place in the direction indicated by arrow @.

\*The operation must be performed after removal of board B1.

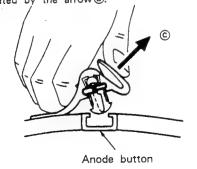
#### 2-5. PICTURE TUBE REMOVAL

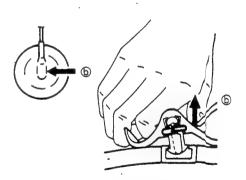


## Removing Procedures



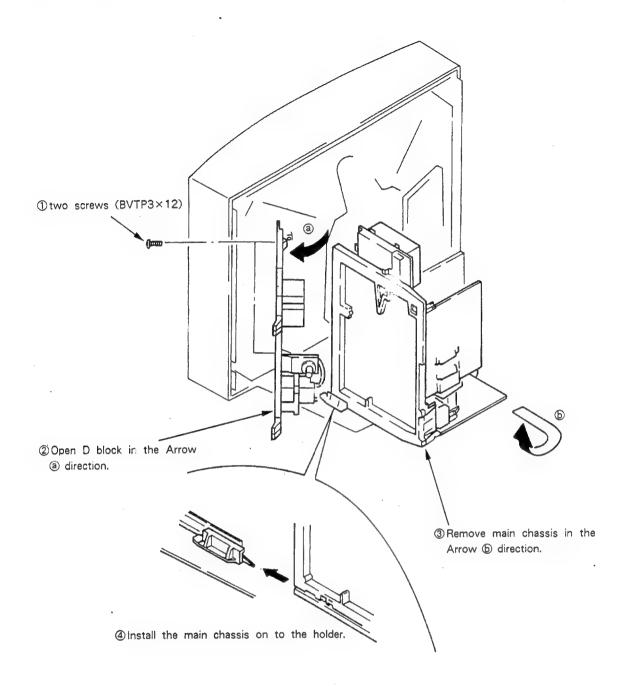
① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.





- ② Using a thumb,pull up the rubber cap firmly in the direction indicated by the arrow ⑥.
- When one side of the rubber cap is separted from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow.

## 2-6. SERVICE POSITION



## SECTION 3

## SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted:

● CONTRAST control ······ 80% (or Normal by Commander)

☆BRIGHTNESS control ··· 50%

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus
- 4. White Balance

Note: Test Equipment Required.

- 1. Color Bar/Pattern Generator
- 2. Degausser
- 3. DC Power Supply
- 4. Digital multimeter
- 5. Oscilloscope

## Preparation

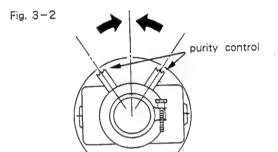
- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

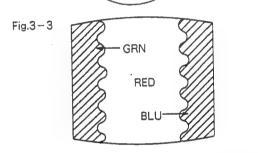
#### 3-1. BEAM LANDING

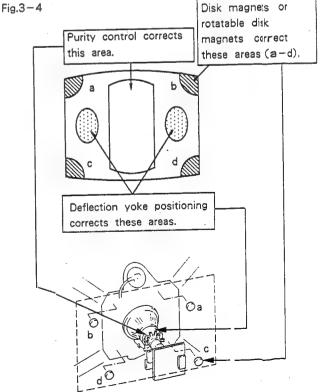
- 1. Input a raster signal with the pattern generator.

  CONTRAST
  BRIGHTNESS

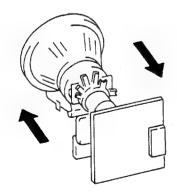
  normal
- 2. Turn the raster signal of the pattern generator
- 3. Move the deflection yoke backward, and adjust with the purity control so that red is in the center and blue and green are at the sides, evenly. (Fig. 3-1-3-3)
- Move the deflection yoke forward, and adjust so that the entire screen becomes red. (Fig. 3-1)
- 5. Switch over the raster signal to blue and green and confirm the condition.
- When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.
- 7. When landing at the corners is not right, adjust by using the magnet, (Fig. 3 4)







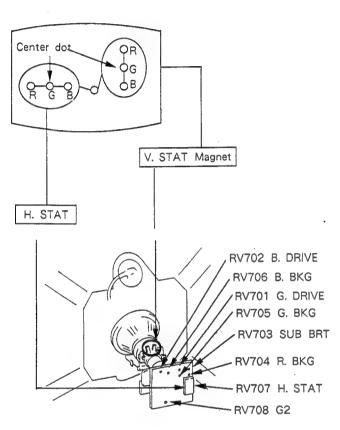




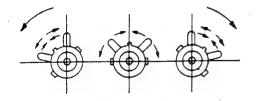
#### 3-2. CONVERGENCE

#### Preparation:

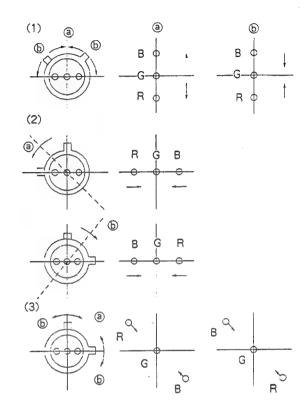
- Before starting, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in the dot pattern.
- (1) Horizontal and Vertical Static Convergence



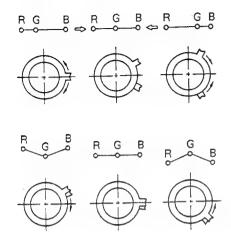
- 1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen. (Horizontal movement)
- Adjust V, STAT magnet to coincide red, green and blue dots on the center of screen. (Vertical movement)
- 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect each other.)
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



4. When the V. STAT magnet is moved in the direction of arrow @ and ⑥, red, green and blue dots move as shown below.

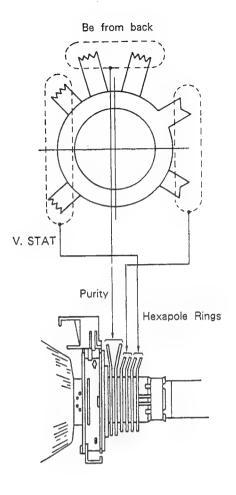


## Operation of Hexapole Ringed Magnet



The respective dot operations resulting from the operation of each magnet are not completely independent, so be sure to perform adjustment while tracking.

Use the H. STAT VR to adjust the red, green, and blue dots so they coincide at the center of screen (by moving the dots in the horizontal direction).

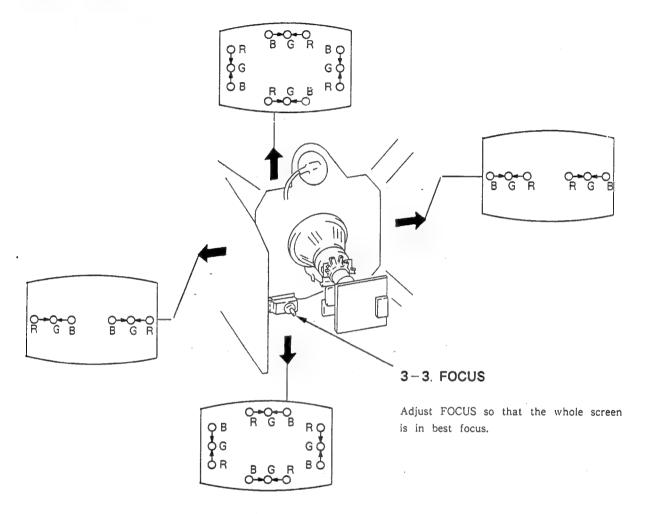


## (2) Dynamic Convergence Adjustment

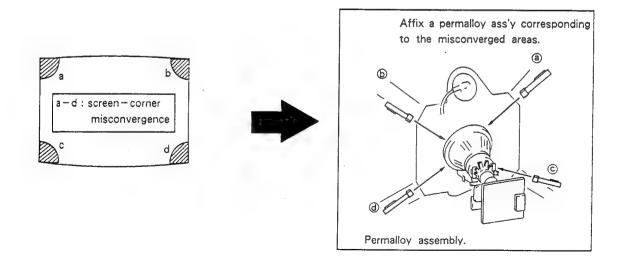
## Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment..
- 1. Slightly loosen deflection yoke screw.
- 2. Remove deflection yoke spacers,

- Move the deflection yoke for best convergence as shown below,
- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.



## (3) Screen - corner Convergence



#### 3-4. WHITE BALANCE

(Screen (G2) Setting)

- l. Input dot signals.
- 2. Set the picture BRIGHTNESS control to the minimum level,
- 3. Apply 170 V dc to the cathodes of R, G, and B from an external power source,
- 4. While watching the picture, adjust the G2 volume (RV708) immediately before the fly-back line disappears.

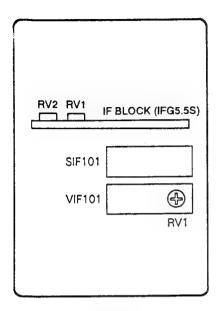
## (White Balance Adjustment)

- 1. Input all-white signals.
- 2. Adjust the BRIGHTNESS and COLOR controls to the standard level,
- Adjust the highlight W/B balance by turning the RV702 (B. DRIVE) and RV701 (G DRIVE). Also, adjust the cut—off W/B by turning RV706 (B-BKG), RV705 (G-BKG) and RV704 (R-BKG). Note that these two balances must be adjusted during tracking.

In the following adjustments, the CONTRAST, COLOR and BRIGHTNESS controls are set to normal unless otherwise specified.

# SECTION 4 CIRCUIT ADJUSTMENTS

#### 4-1. A BOARD ADJUSTMENTS



## TUNER AGC Adjustment VIF101 (IFG389FS) RV1

- 1. Tune in an off-air signal,
- Adjust RV1 so that snow-noise and crossmodulation just disappear from the picture.

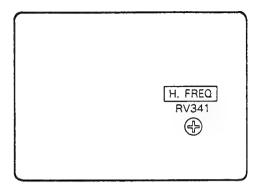
STEREO SEPARATION Adjustment IF BLOCK(IFG5.5S) RV1

- 1. Input stereo signal (L-CH 1kHz, R-CH 400Hz)
- 2. Check the stereo indicator.
- Connect an oscilloscope to the pin ① (L) of CNAII through band pass filter of lkHz,
- Adjust RV1 so that 1kHz voltage goes down to the minimum,

## H. FREQ. Adjustment IF BLOCK (IFG5,5S)RV2

- 1. Input PAL COLOR pattern.
- 2. Short circuit between pin  $\ \ \, \ \ \,$  of IC4 (TDA2595) and ground.
- 3. Connect frequency counter to the pin (6) through a probe of 10:1.
- 4. Adjust RV2 so that H. frequency becomes  $15.625\pm50$ Hz,

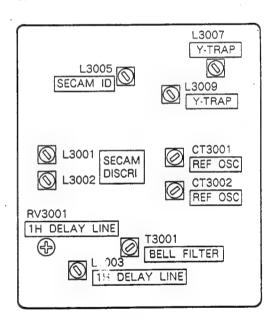
## 4-2. B BOARD ADJUSTMENTS



#### H. FREQ Adjustment (RV341)

- 1. Input a PAL COLOR BAR pattern.
- 2. Connect pin 12 of IC341 to the ground.
- Connect the frequency counter to pin (6) using the 10:1 ratio probe.
- Adjust RV341 so that frequency H becomes 15,625kHz±50Hz.

#### 4-3. B1 BOARD ADJUSTMENTS



## REF OSC Adjustment (CT3001, 4.43 MHz)

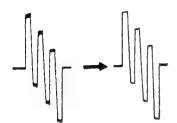
- I, Input a PAL COLOR BAR pattern.
- 2. Short circuit between pin (1) of IC3001 and ground.
- 3. Adjust CT3001 to obtain color synchronization.
- 4. Remove the jumper wire from IC3001,

## REF OSC Adjustment (CT3002, 3,58 MHz)

- 1. Input NTSC3.58 COLOR BAR signal.
- 2. Short-circuit pin (1) of IC3001 and the ground.
- 3. Adjust CT3002 to obtain color synchronization.
- 4. Remove the jumper of IC3001.

## 1H DELAY LINE Adjustment (L3003, RV3001)

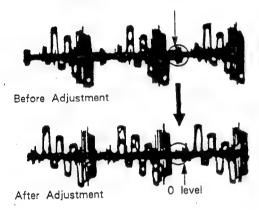
- 1. Input a PAL COLOR BAR pattern.
- Connect the oscilloscope to pin (3) (B-Y) of IC3001 and observe the waveform of the H block on the oscilloscope.
- Adjust L3003 to minimize the double waveform outline.



Before Adjustment After Adjustment

- 4. Input a PAL TEST COLOR BAR pattern.
- 5. Rotate the RV3001 and adjust till the ANT PAL part of the waveform matches the 0 level.

This part matches the O level.



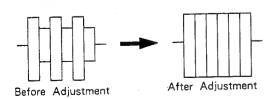
L3003 and RV3001 affect each other, so repeat till the conditions of both are met.

## SECAM ID Adjustment (L3005)

- 1. Input SECAM COLOR BAR signal.
- 2. Connect a Digital Multi meter at pin (21) of IC3001,
- Adjust L3005 so that the indicator goes up to the maximum.

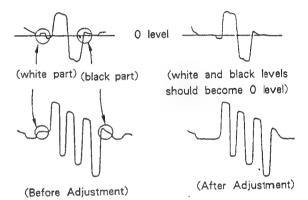
## BELL FILTER Adjustment (T3001)

- i. Input SECAM COLOR BAR pattern.
- 2. Connect an oscilloscope to the Q3002 emitter.
- 3. Adjust T3001 so that the waveform becomes flat.



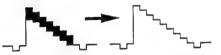
SECAM DISCRI Adjustment [L3002 (R-Y), L3001 (B-Y)]

- 1. Input SECAM COLOR BAR pattern.
- 2. Connect an oscilloscope at pin ① of IC3001.
- 3. Adjust L3002 (R-Y) so that white and black part of the waveform of pin ① becomes 0 level.
- 4. Connect an oscilloscope at pin 3 of IC3001,
- 5. Adjust L3001 (B-Y) so that white and black part of the waveform of pin 3 becomes 0 level.

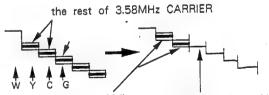


## Y TRAP (L3007 4,25 MHz, L3009 4,43 MHz)

- 1. Input PAL COLOR BAR pattern.
- 2. Connect the oscilloscope to the Y-OUT terminal of CNB32 pin(3) to display the waveform for the H portion.
- 3. Adjust L3009 to minimize the CARRIER level.
- Convert the input signal into NTSC COLOR BAR pattern.
- Cancel the forced PAL MODE and set the forced NTSC MODE.
- 6. Adjust L3007 while observing if the signal portions for the CARRIER level for DR (3.58 MHz).



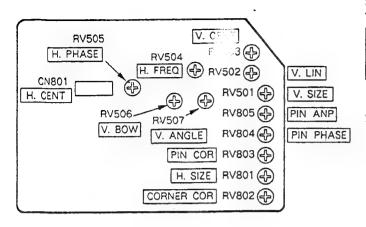
a. Before adjustment b. After adjustment



c. The level for the Yellow and cyan portions do not match up.

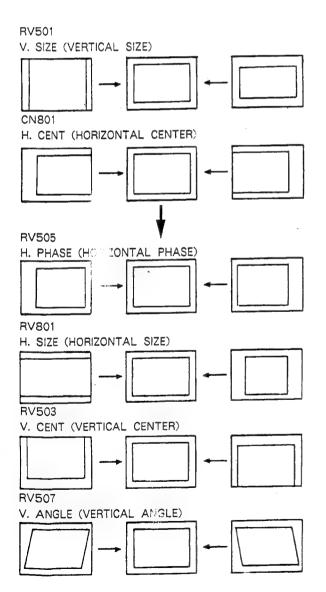
d. Match up the residual CARRIER level.

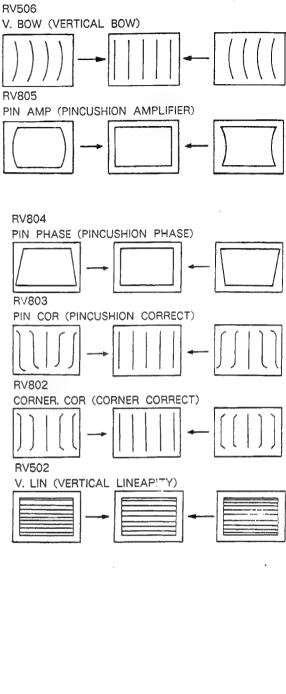
## 4-4. D BOARD ADJUSTMENTS



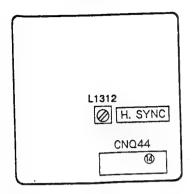
## H. FREQ Adjustment (RV504)

- 1. Input PAL COLOR BAR,
- Connect 100/16 chemical condenser between pin
   of IC501 and the GND.
- 3. Connect the frequency counter probe to C824.
- Adjust RV504 so that 31,25kHz±50Hz is obtained for 2H the frequency.





## 4-5. Q BOARD ADJUSTMENT



## H, FREQ Adjustment

- 1. Input PAL COLOR BAR pattern.
- 2. Connect pin 1 of CNQ44 (H SYNC) to the GND.
- 3. Turn the core of L1312 to adjust the position where the screen flows slowly.



#### 4-6. V BOARD ADJUSTMENTS

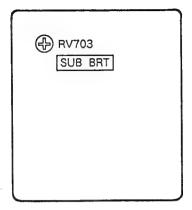
## Clock Adjustment (CT01)

- 1. Disconnect the pins 2 and 3 of CNV41.
- 2. Set up the TELE TEXT mode.
- 3. Adjust CT01 to stop pictures from scrolling.

## RGB Level Adjustment (RV01)

- 1. Set PICTURE to maximum.
- 2. Adjust RV01 till the RGB output becomes maximum.

## 4-7. SUB BRT ADJUSTMENTS (C BOARD)



## SUB BRIGHTNESS Adjustment

- 1. Receive and display a TEST COLOR BAR pattern,
- Push → ← on the remote commander to invoke the normal state. Set ③ COLOR control and PICTURE control to minimum.
- 3. Reduce the ① CONTRAST to the minimum level,
- Adjust the SUB BRIGHTNESS RV703 until the 0 IRE of the gray scale becomes completely cut off, and the 20 IRE becomes barely luminous,

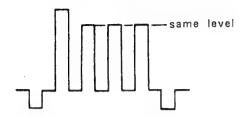
Where no TEST COLOR BAR pattern is available.

- 1. Display & COLOR BAR pattern.
- Push → · ← on the remote commander to invoke the normal state. Set ③ COLOR control and PICTURE control to minimum.
- 20 IRE is close to blue, so adjust the SUB BRIGHTNESS RV703 till blue is faintly luminous.

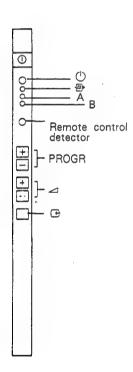
## SUB COLOR Adjustment

- 1. Display a COLOR BAR pattern.
- 2. Push → ← on the remote commander to invoke the normal state.
- 3. Turn off the power supply.
- 4. Turn on the power supply while pushing the VOL+ and VOL buttons on the unit.

5. Adjust the COLOR control until the B out (pin @ of CNC33 connector on C board) waveform becomes as shown below.



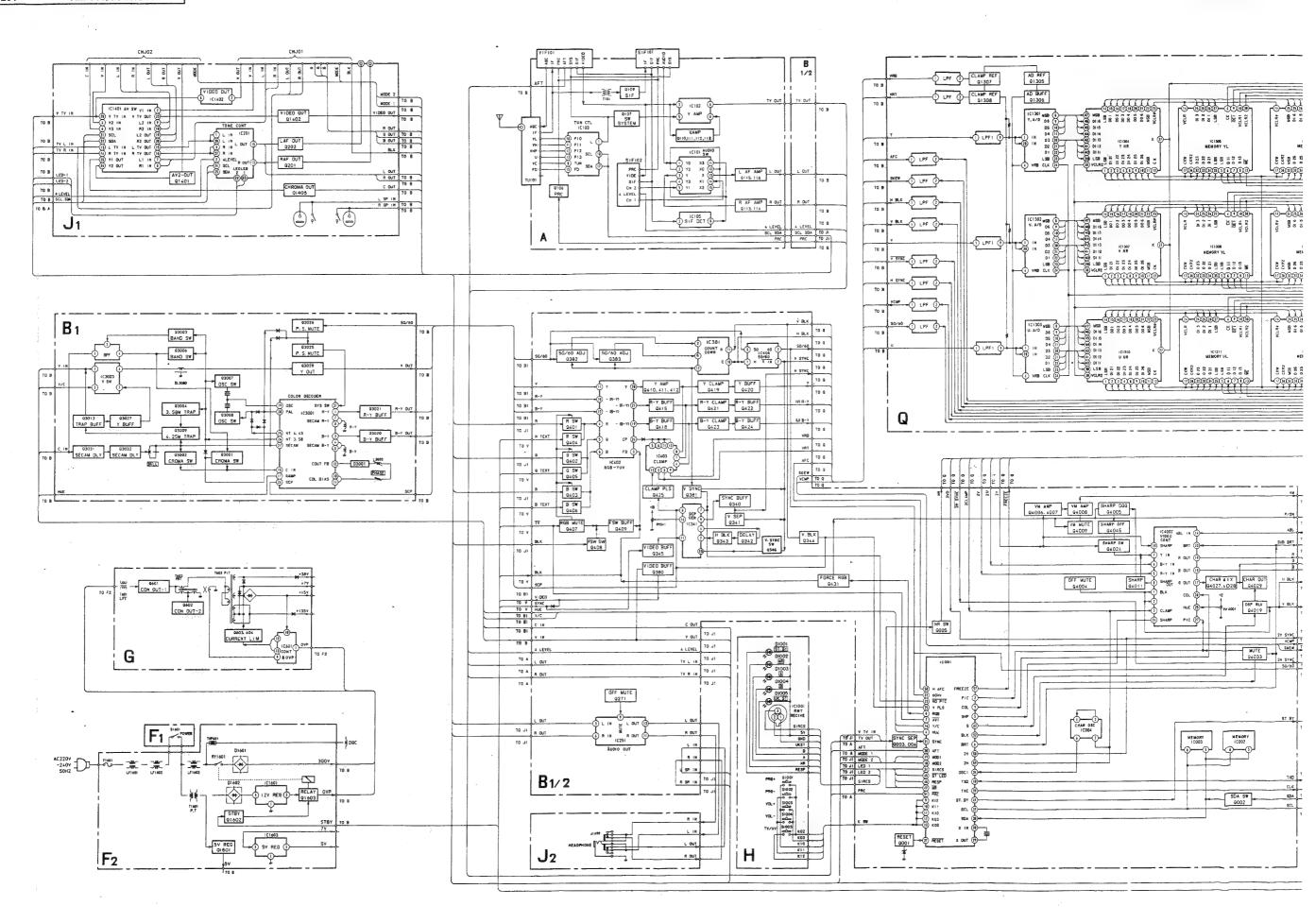
- 6. Push the STORE button on the remote commander, (SUB mode is cleared.)
- \* When Step 4 is executed correctly, SUB (SUB mode) is displayed at the upper right of the display. As S (SUB mode) is displayed only for 30 seconds, perform the adjustment within 30 seconds, or repeat from Step 4.

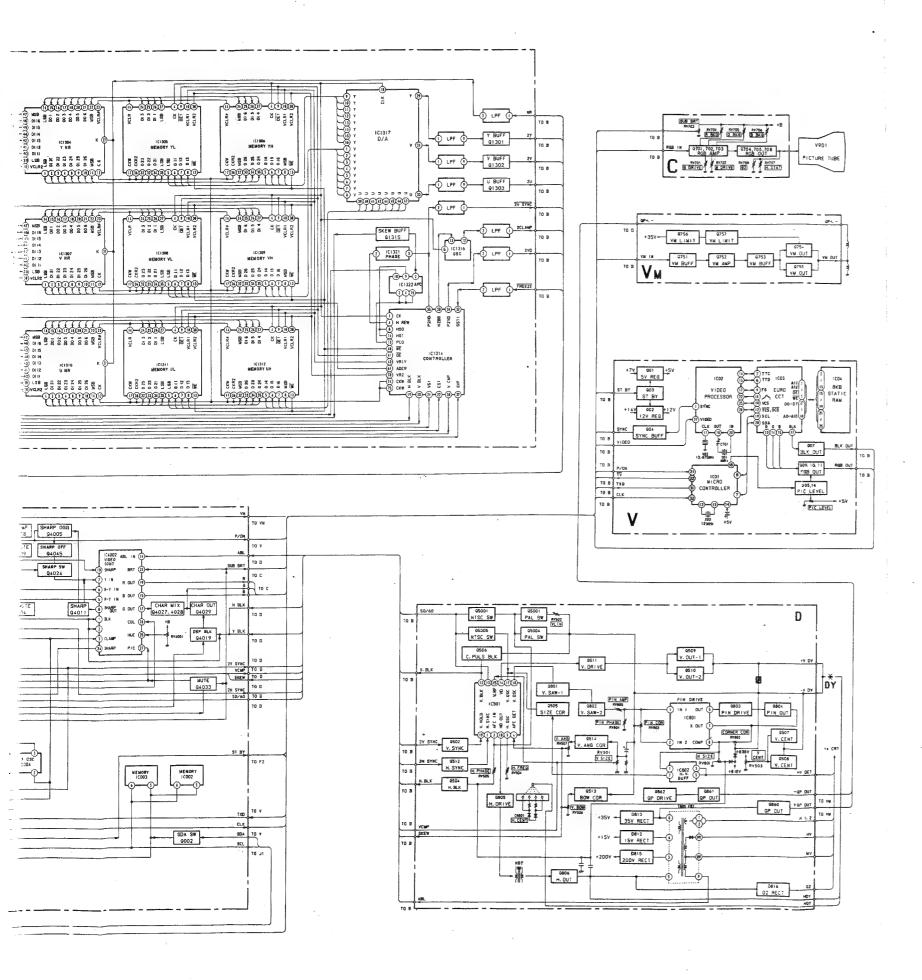


# SECTION 5 DIAGRAMS

5-1. BLOCK DIAGRAM

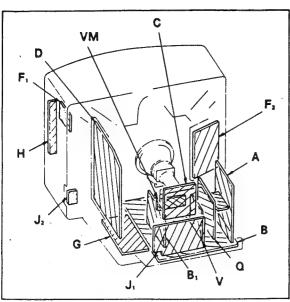
. · · 





(V-FX2921B RM-698/SS-XT291

## 5-2. CIRCUIT BOARDS LOCATION



# 5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS — Conductor Side —

Note: Les composants identifiés par une trame et par une marque A sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

## Note:

- All capacitors are in  $\mu F$  unless otherwise noted. pF:  $\mu \, \mu F$  50WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5mm Rating electrical power: 1/4W

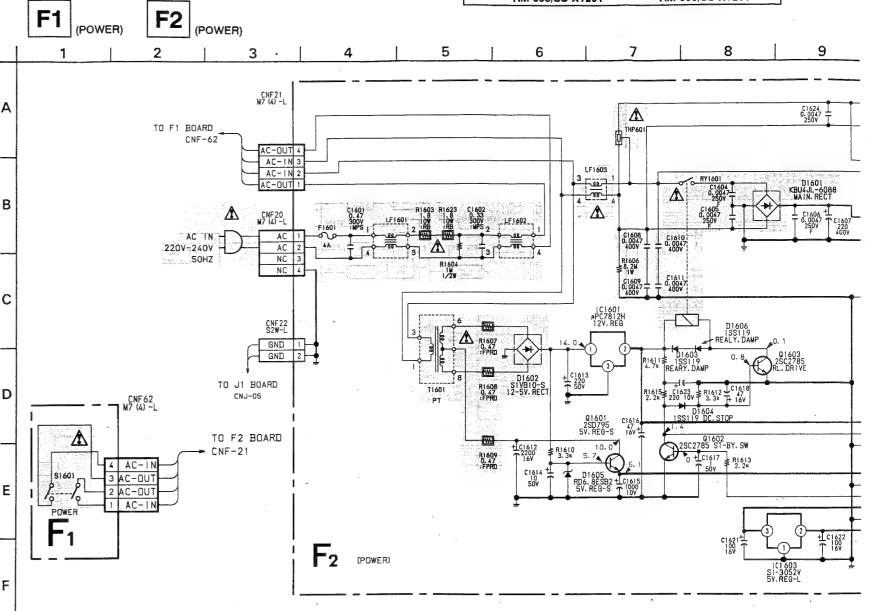
- Chip resistor is in 1/10W.
- All resistors are in ohms.  $k\Omega=1000\Omega,\,M\Omega=1000k\,\Omega$
- monflammable resistor.
- fusible resistor.
- ∧ : internal component.
- panel designation.
- adjustment for repair.
- All variable and adjustable resistors have characteristic curve Bunless otherwise noted.

- All voltages are in V.
- Readings are taken with a  $10M\Omega$  digital multimeter.
- · Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- ---: B + line.
- : signal path.

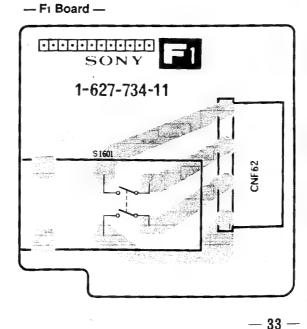
#### Reference information

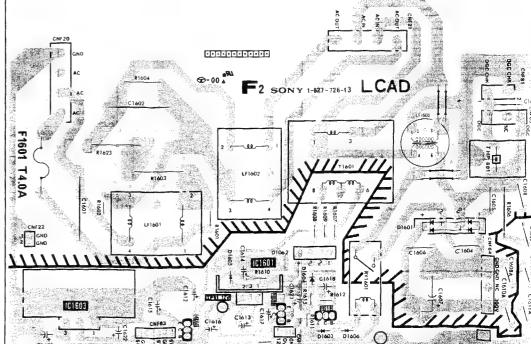
METAL FILM RESISTOR : RN SOLID RC NONFLAMMABLE CARBON : FPRO : FUSE NONFLAMMABLE FUSIBLE NONFLAMMABLE METAL OXIDE : RS NONFLAMMABLE CEMENT : RB : RW NONFLAMMABLE WIREWOUND MICRO INDUCTOR COIL : LF-8L CAPACITOR : TA TANTALUM STYROL : PS POLYPROPYLENE . : PT MYLAR : MPS METALIZED POLYESTER METALIZED POLYPROPYLENE : MPP BIPOLAR : ALB

: ALT HIGH TEMPERATURE : ALR HIGH RIPPLE



— F2 Board —

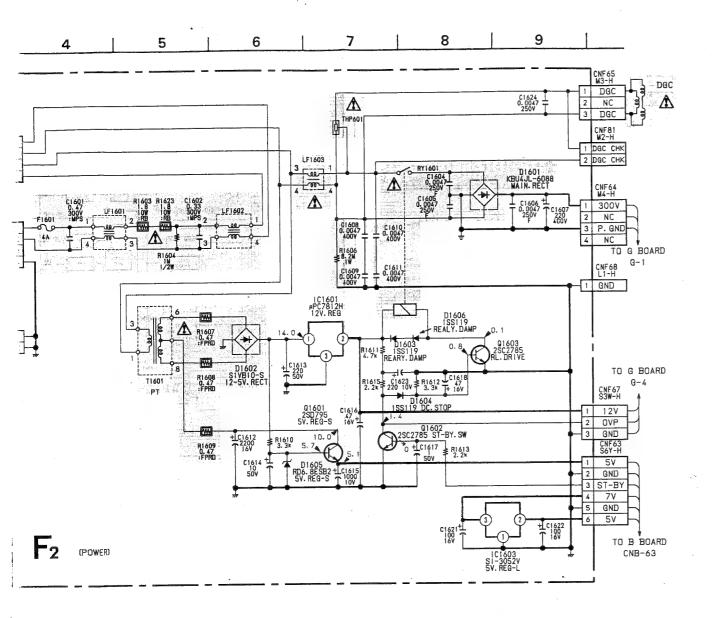




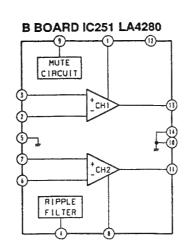


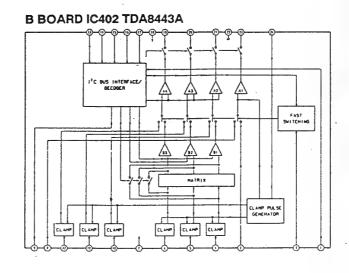


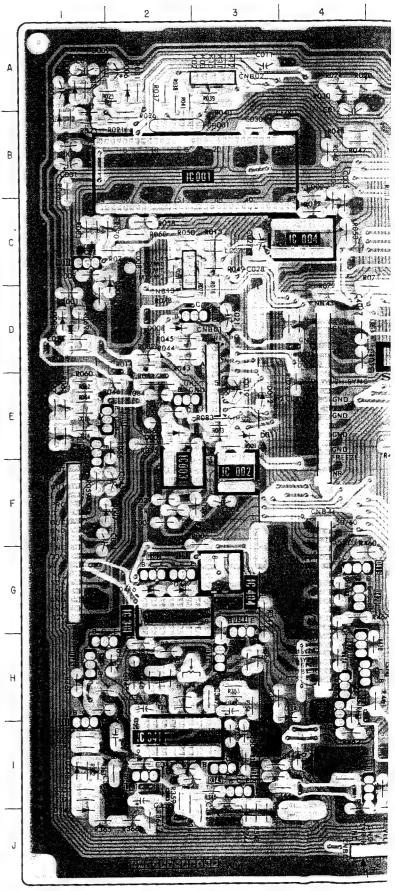
- B Board -

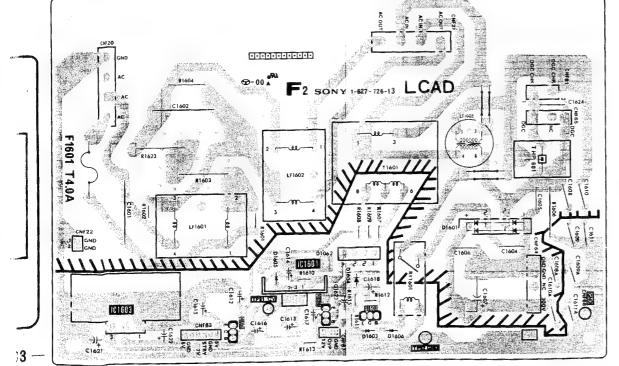


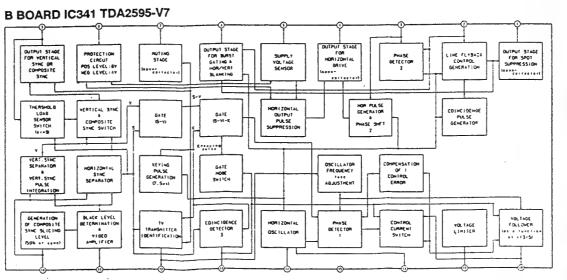
KV-FX2921B RM-698/SS-XT291











**— 34 —** 

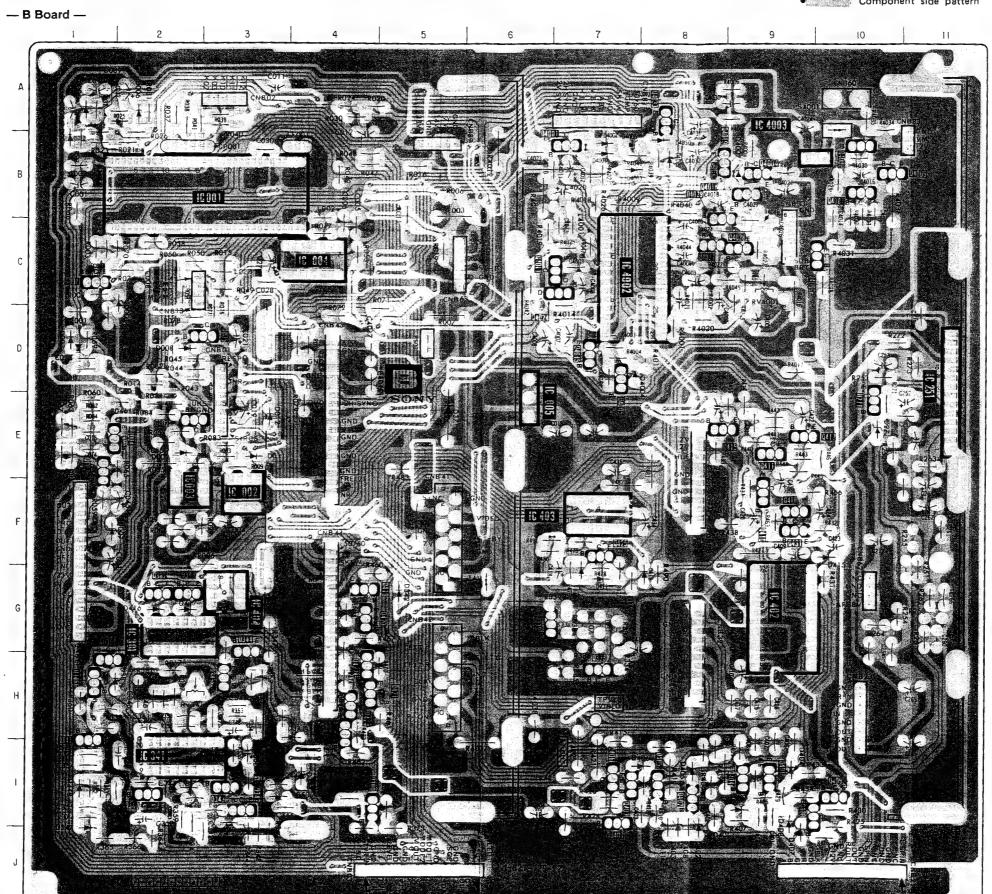
RD IC251 LA4280

NRD IC402 TDA8443A

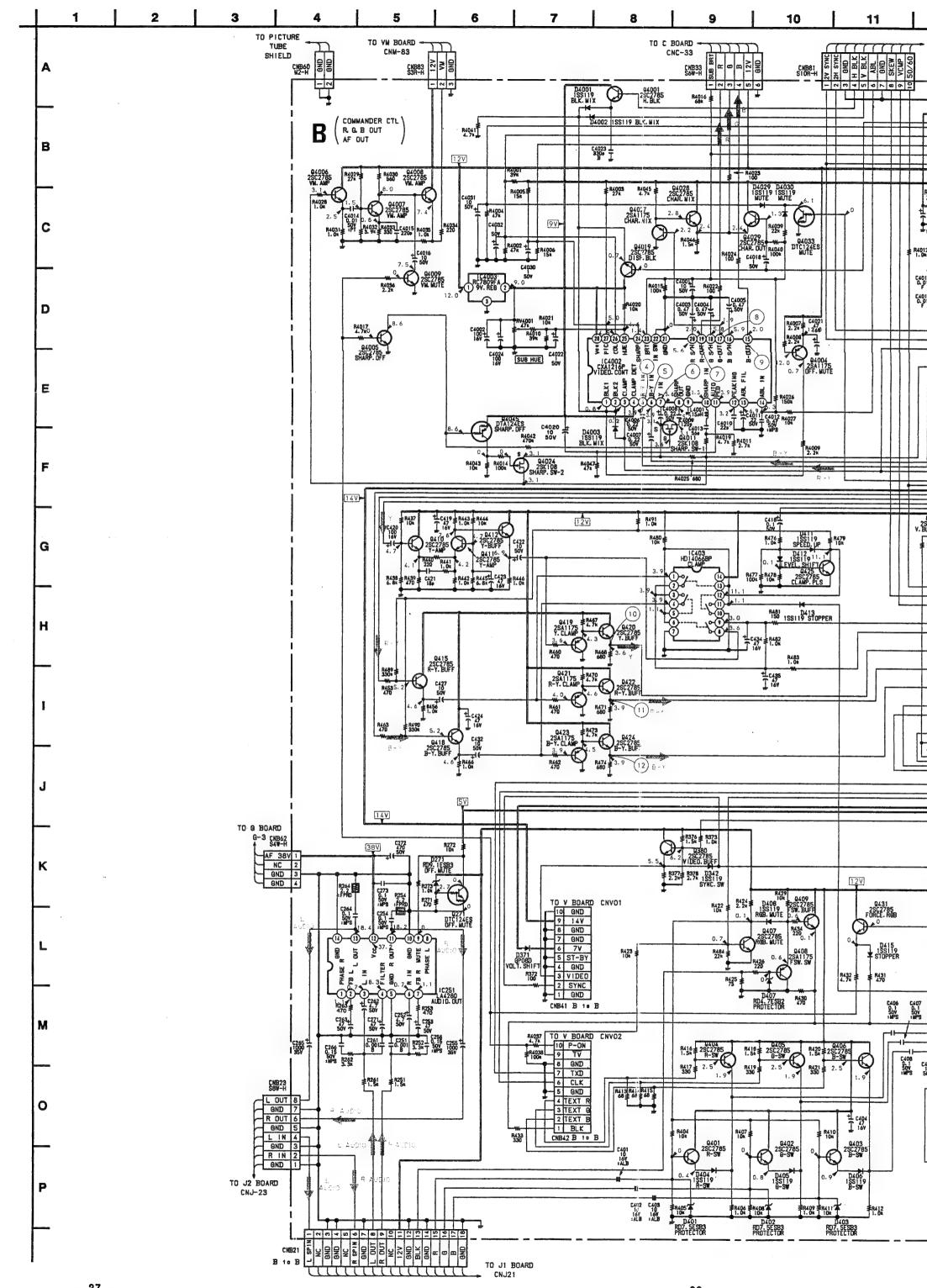
COMPENSATION OF I CONTROL ERROR

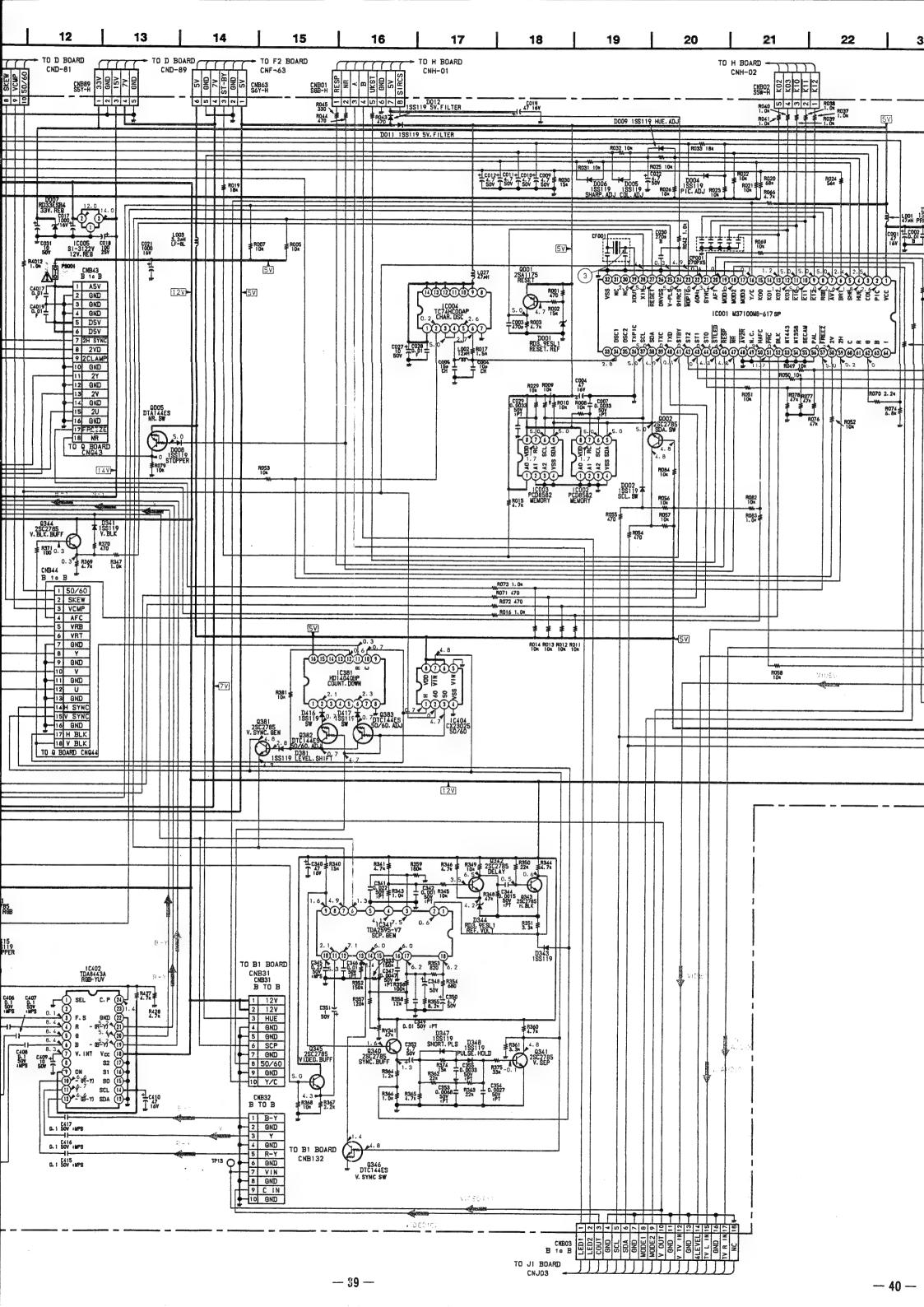
> CONTROL CURRENT SWITCH

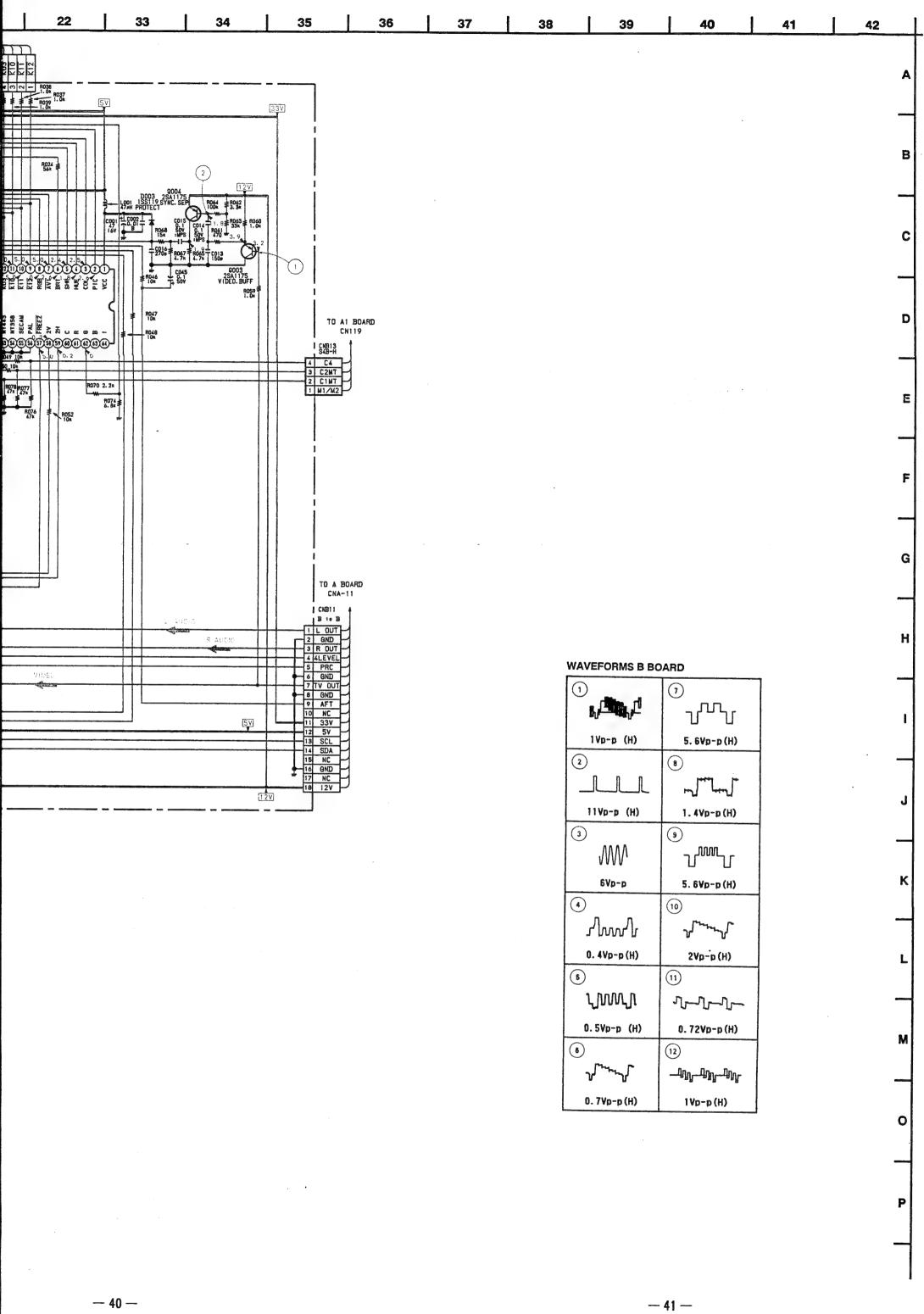


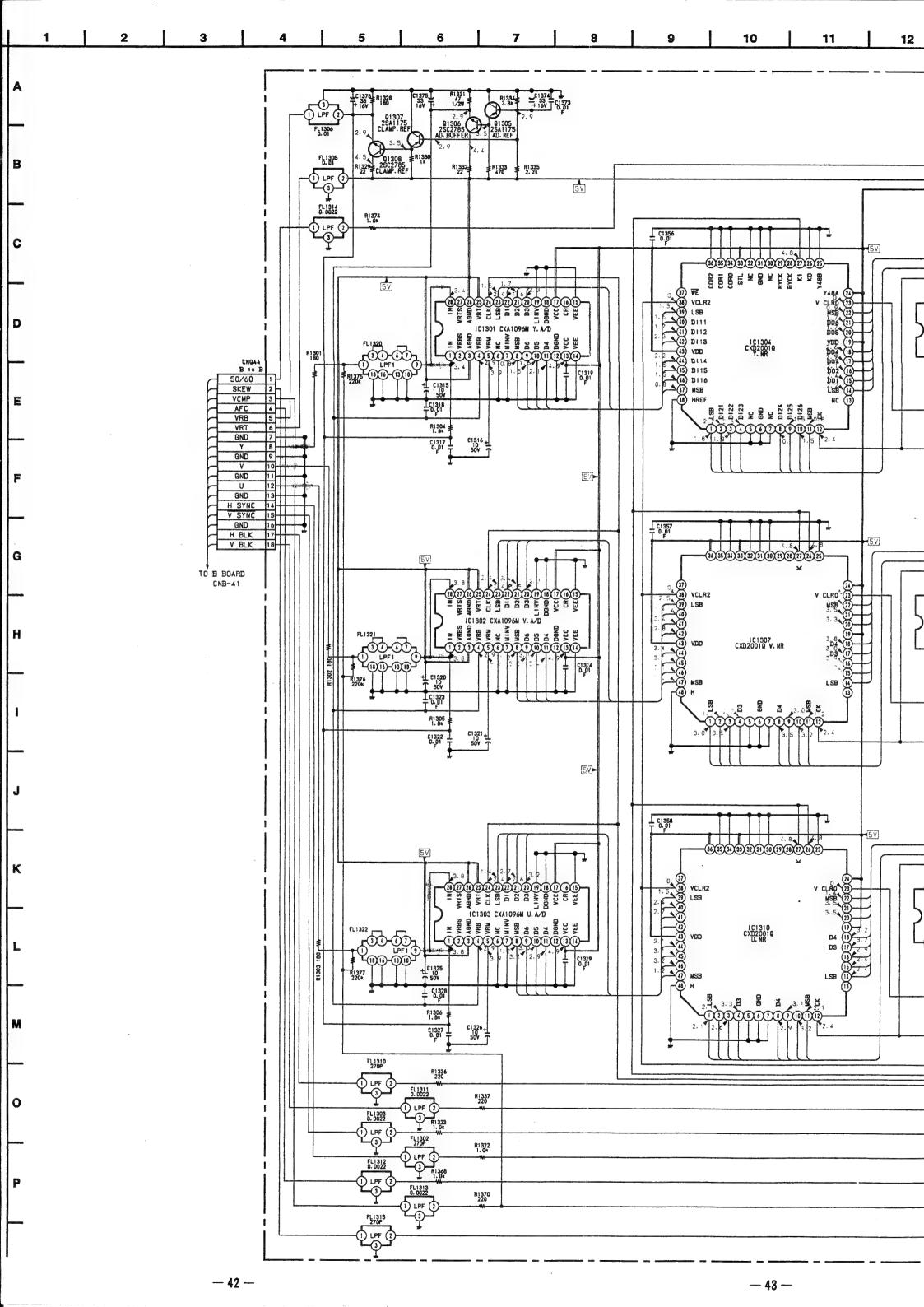


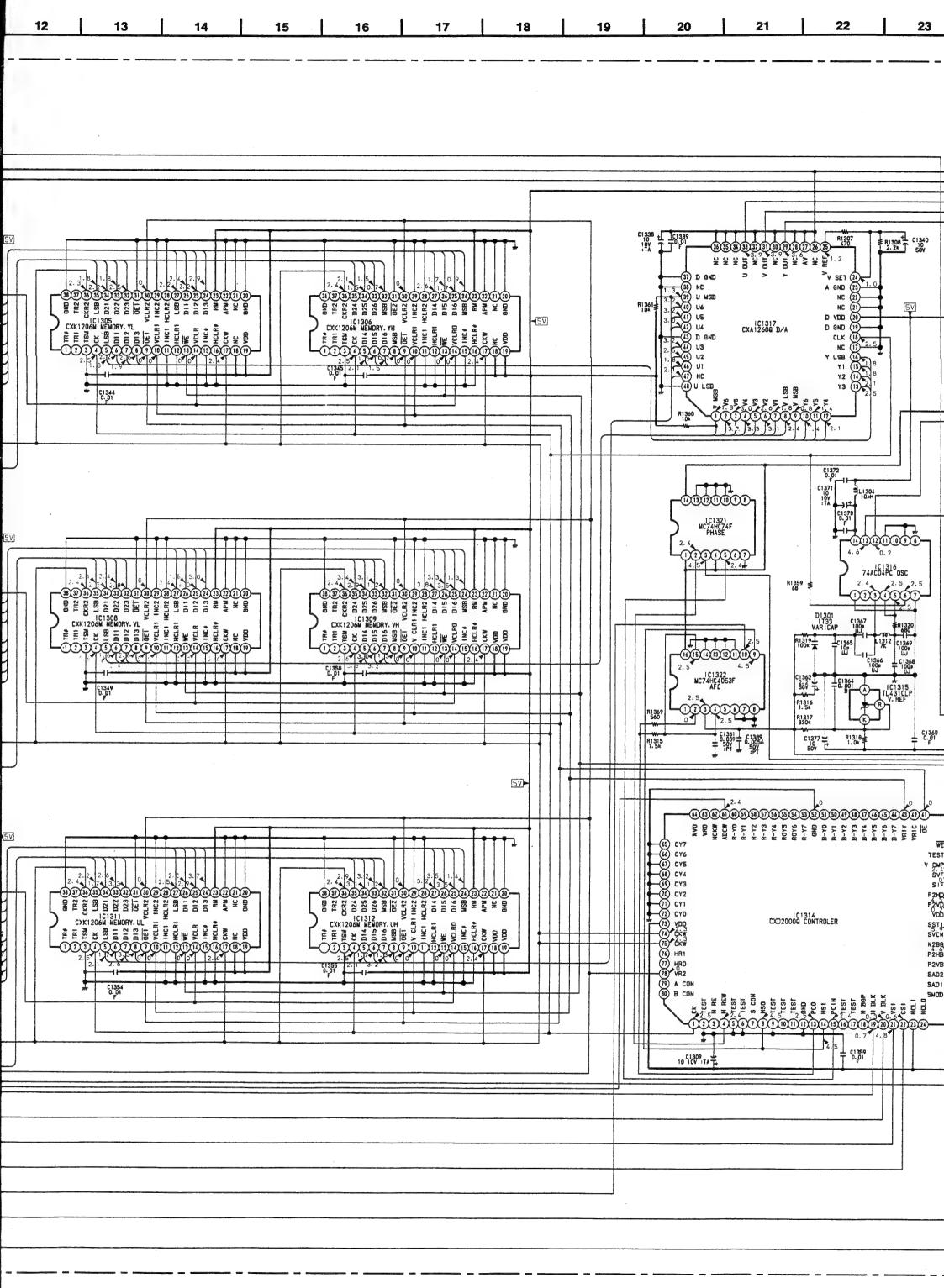
IC		04009	B-10
IC001 IC002 IC003	8-3 F-3 F-2	Q4011 Q4019 Q4024 Q4027	C-7 B-8 C-7 C-8
IC004 IC005	C-4 E-6	Q4028 Q4029 Q4033	C-9 B-8 A-8
IC341 IC381 IC402 IC403	1-2 G-2 G-9 F-7	Q4045 D-7	
IC404 IC4002 IC4003	G-3 C-7 B-9	D001 D002 D003 D004 D005	C-1 E-2 D-1 B-1. A-1
TRANSISTOR		1 0000	A-2
Q001 Q002 Q003 Q004 Q005	C-1 E-2 E-1 E-1 D-2	D007 D008 D009 D011 D012	F-1 D-2 A-1 E-3 E-3
Q271 Q340 Q341 Q342 Q343	E-10 I-2 H-1 I-3 I-3	D271 D341 D342 D343 D344	E-10 H-4 G-5 I-4
Q344 Q345 Q346 Q380 Q381	G-3 H-3 H-1 1-4 H-1	D347 D348 D371 D381 D401	I-1 I-1 E-5 H-1 I-9
Q382 Q383 Q401 Q402 Q403	G-2 G-2 I-9 I-8 I-7	D402 D403 D404 D405 D406	I-8 I-8 I-8 I-8
Q404 Q405 Q406 Q407 Q408	1-9 1-8 1-7 1-7	D407 D408 D411 D412 D413	J-9 I-9 G-7 G-7 G-8
Q409 Q410 Q411 Q412 Q415	I-10 F-9 E-9 E-8	D415 D416 D417 D4001 D4002	F-10 G-2 G-2 B-7 B-7
Q418 Q419 Q420 Q421 Q422	F-9 G-4 G-4 H-4 H-4	D4003 D4029 D4030	8-7 8-8 8-8
0423	H-4	l	ABLE STOR
Q424 Q425 Q431 Q4001	H-4 F-7 F-9 B-7	RV341 RV4001	H-2 C-9
Q4004 Q4005 Q4006 Q4007 Q4008	B-9 D-7 C-9 B-10 B-10		

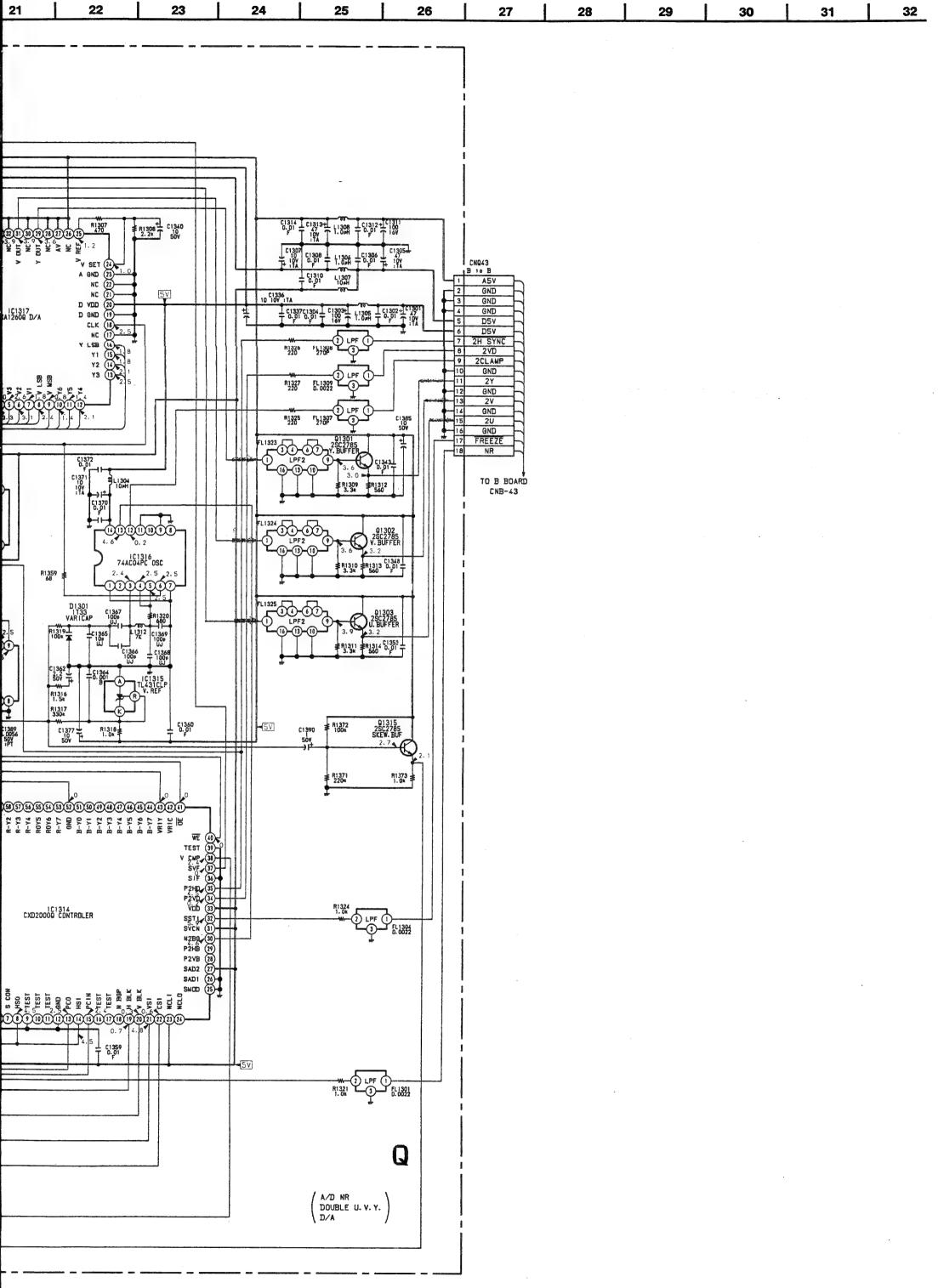




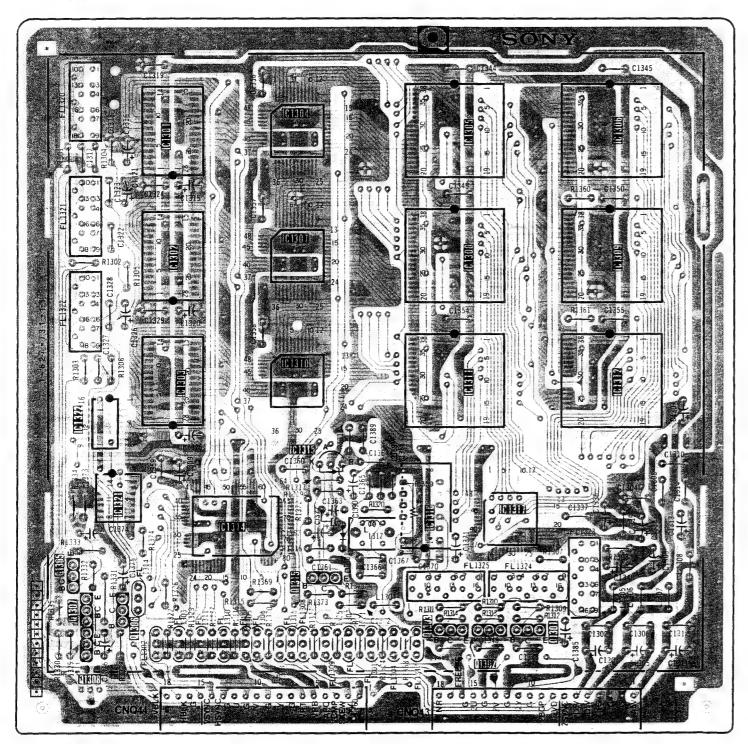




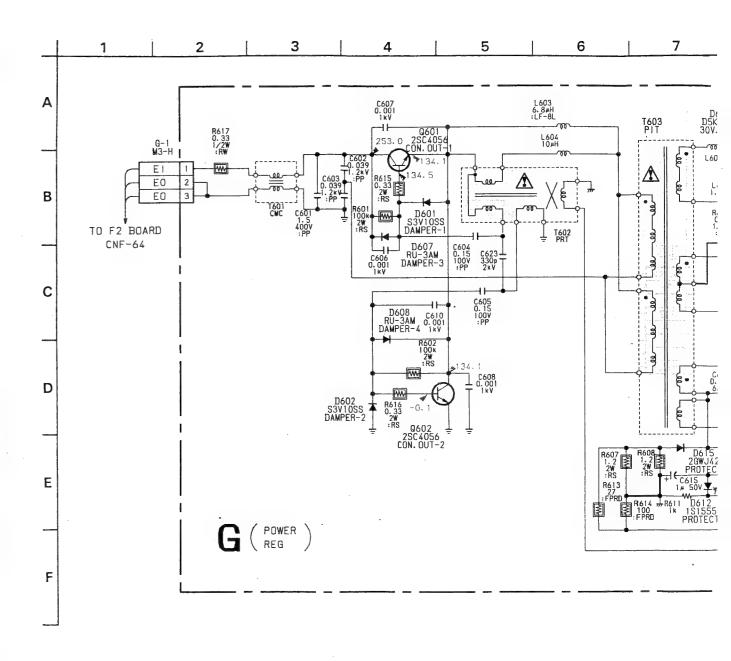


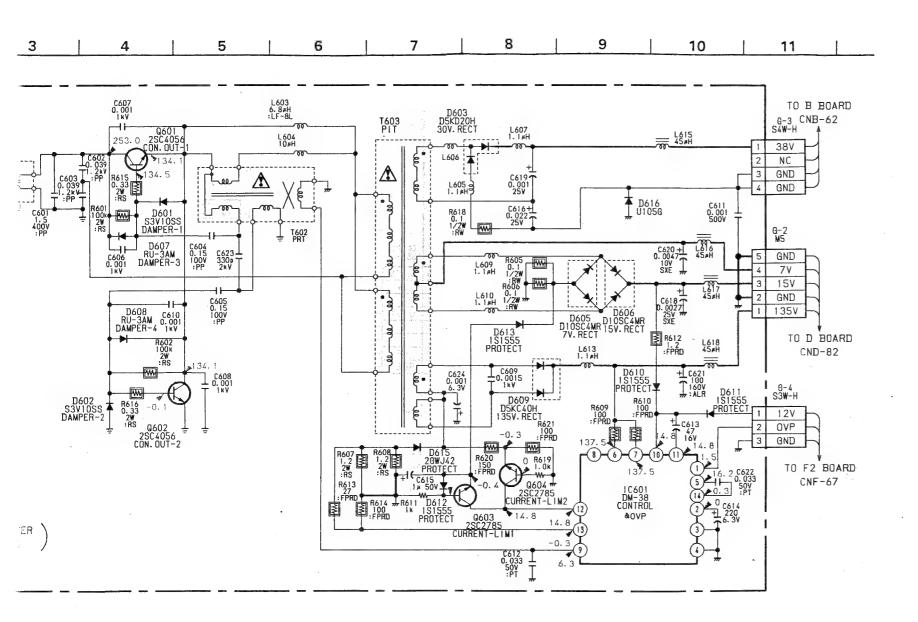


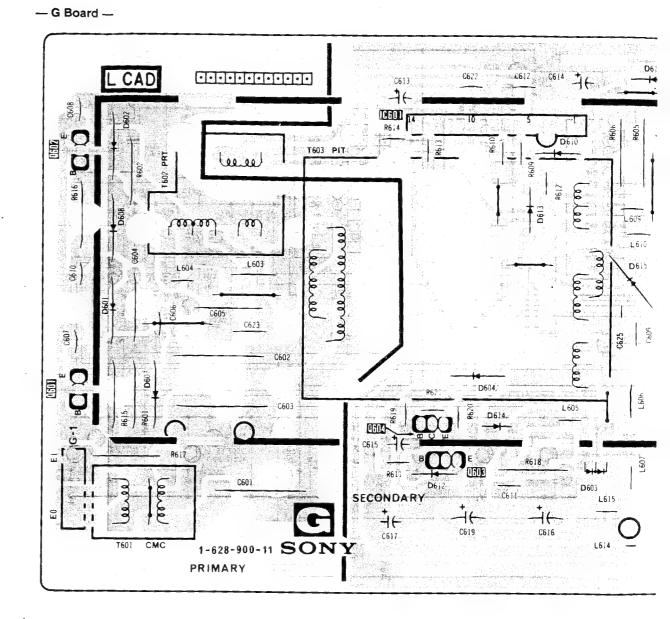
# — Q Board —



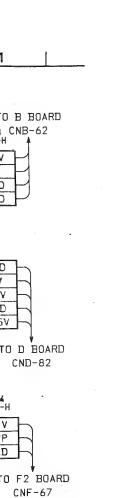
- : Conductor side pattern
- ....: Component side pattern

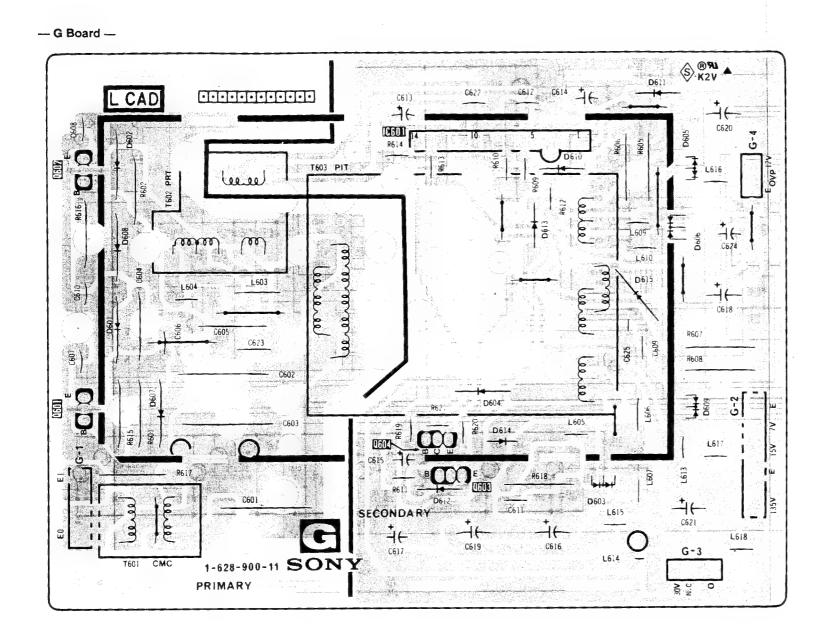


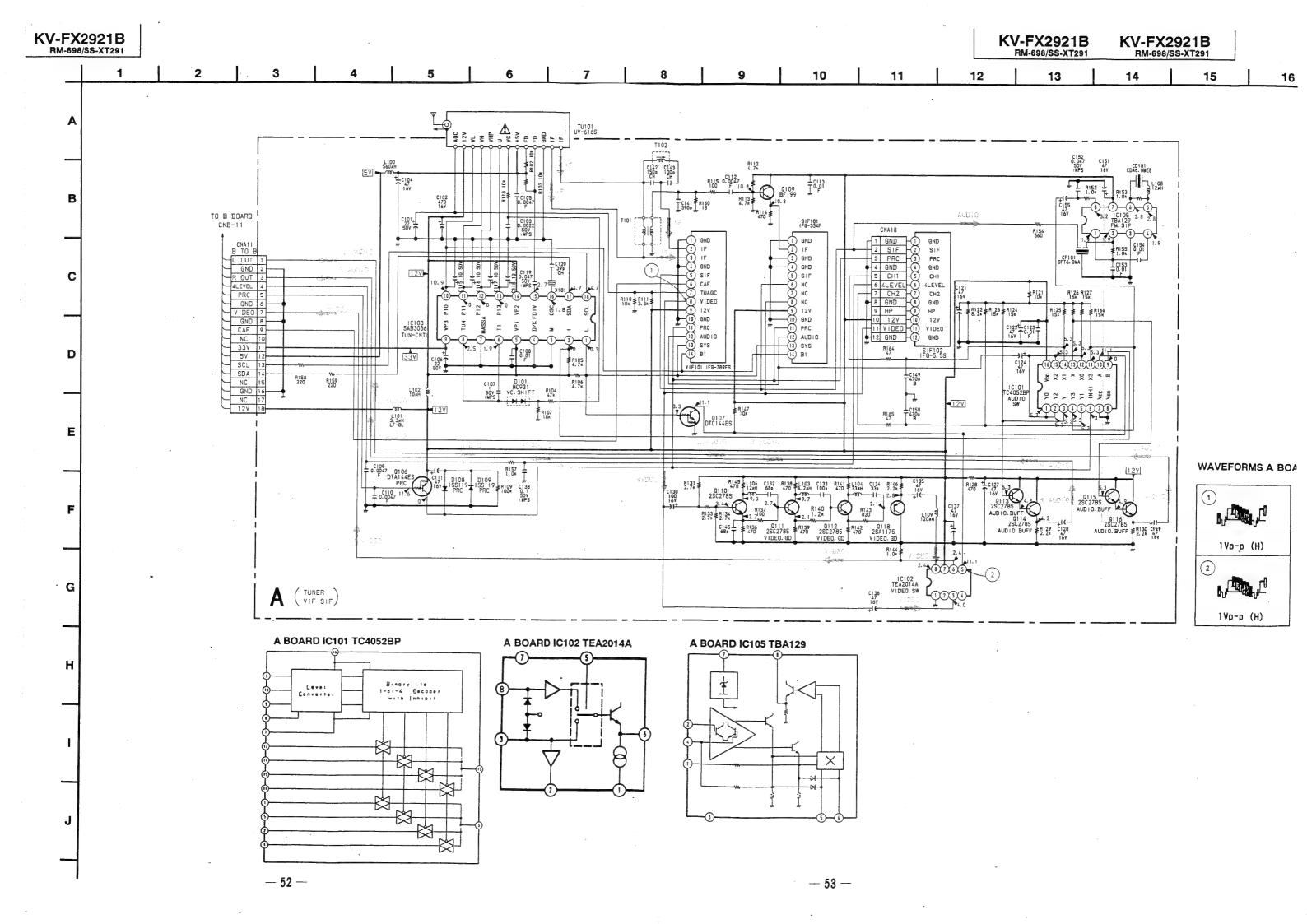




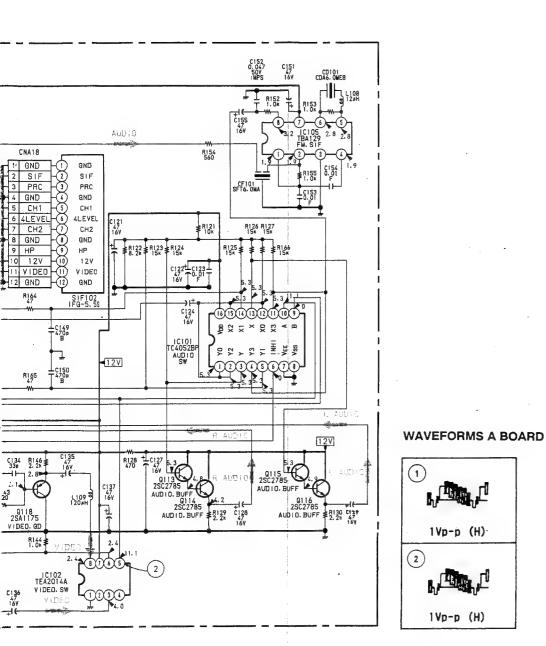
(POWER REG)

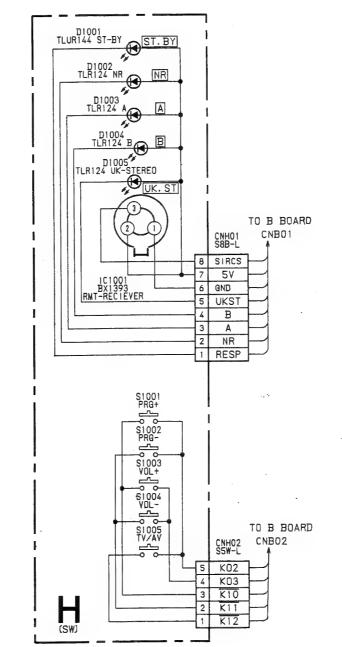


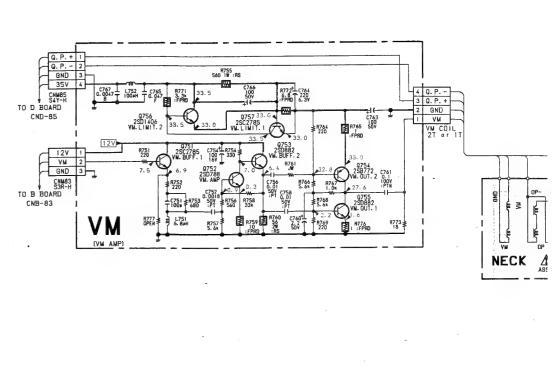




KV-FX2921B RM-698/SS-XT291 KV-FX2921B RM-698/SS-XT291







1Vp-p (H)

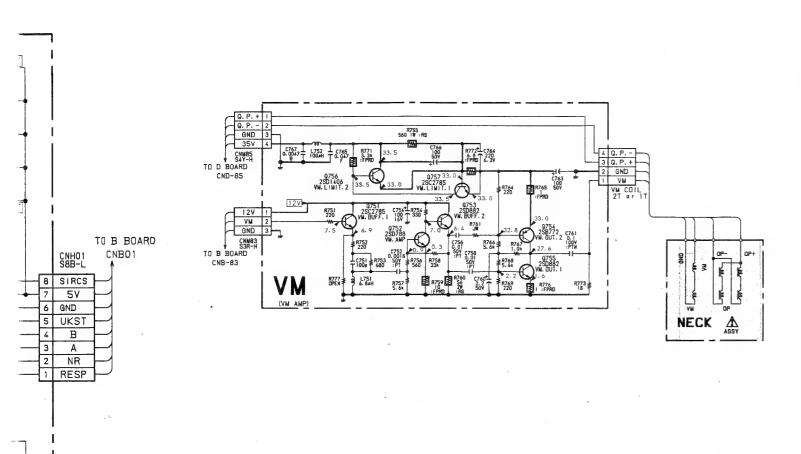
1Vp-p (H)

27

26

- A Board -





24

25

22

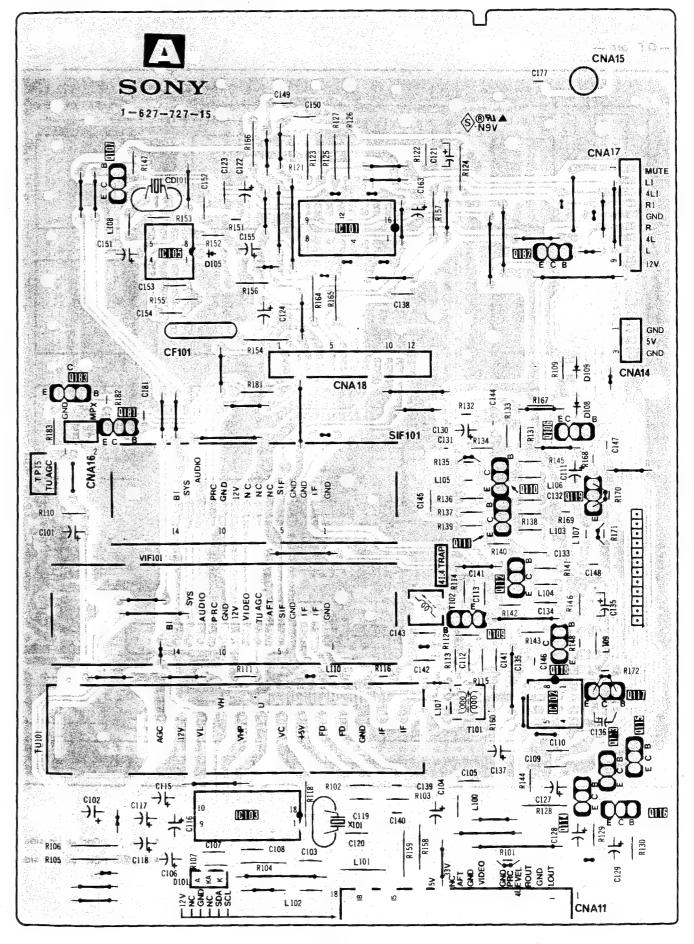
21

TO B BOARD CNB02

5 K02 K03 3 K10 2 K11 K12

20

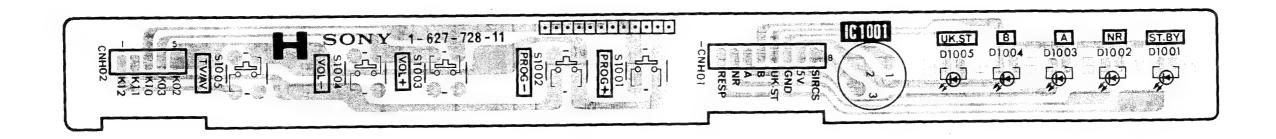
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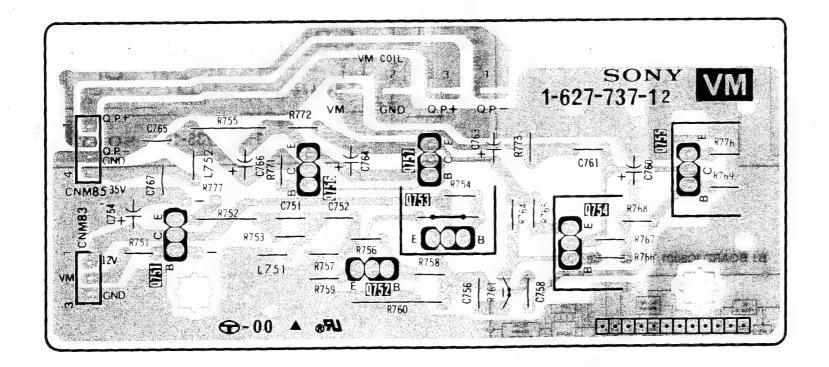
H

VM (VM AMP)

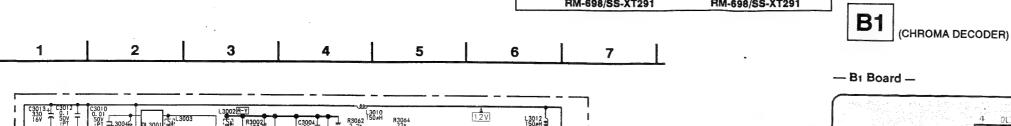
- H Board -

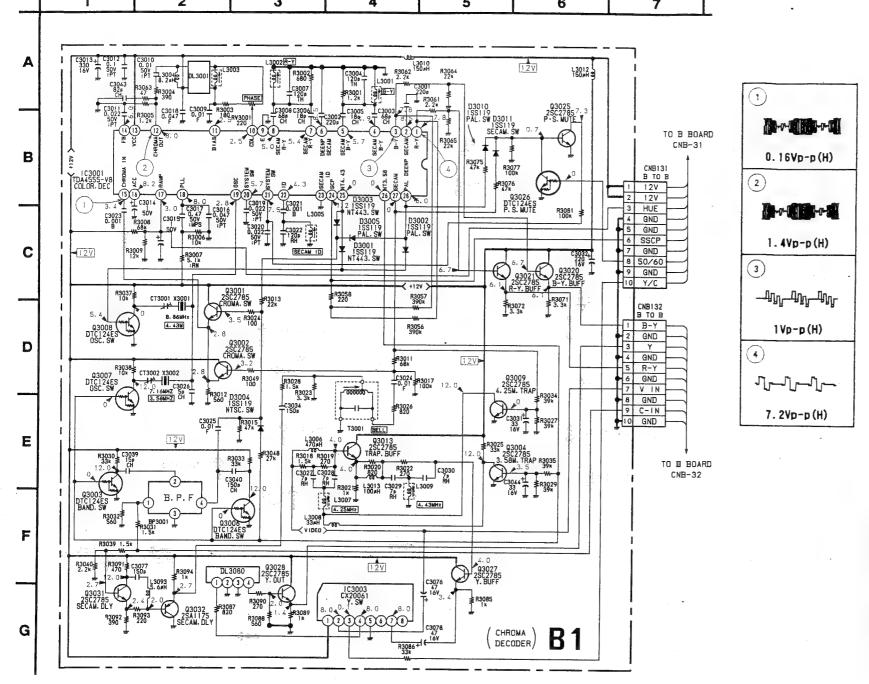


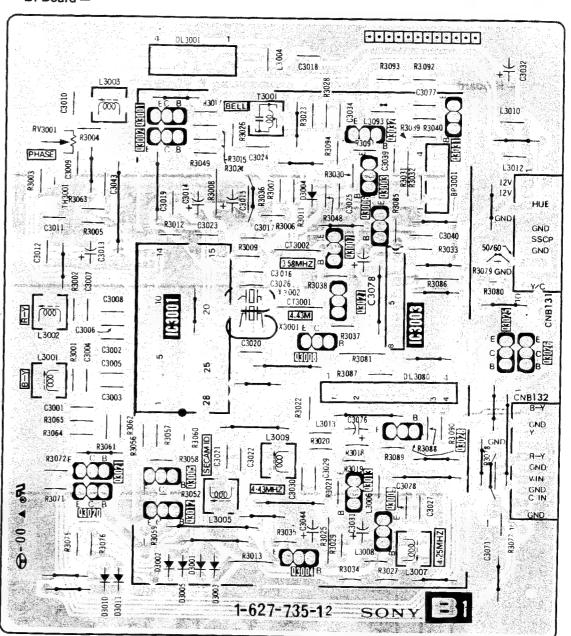
--- VM Board ---



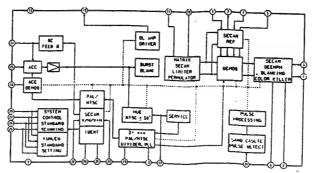


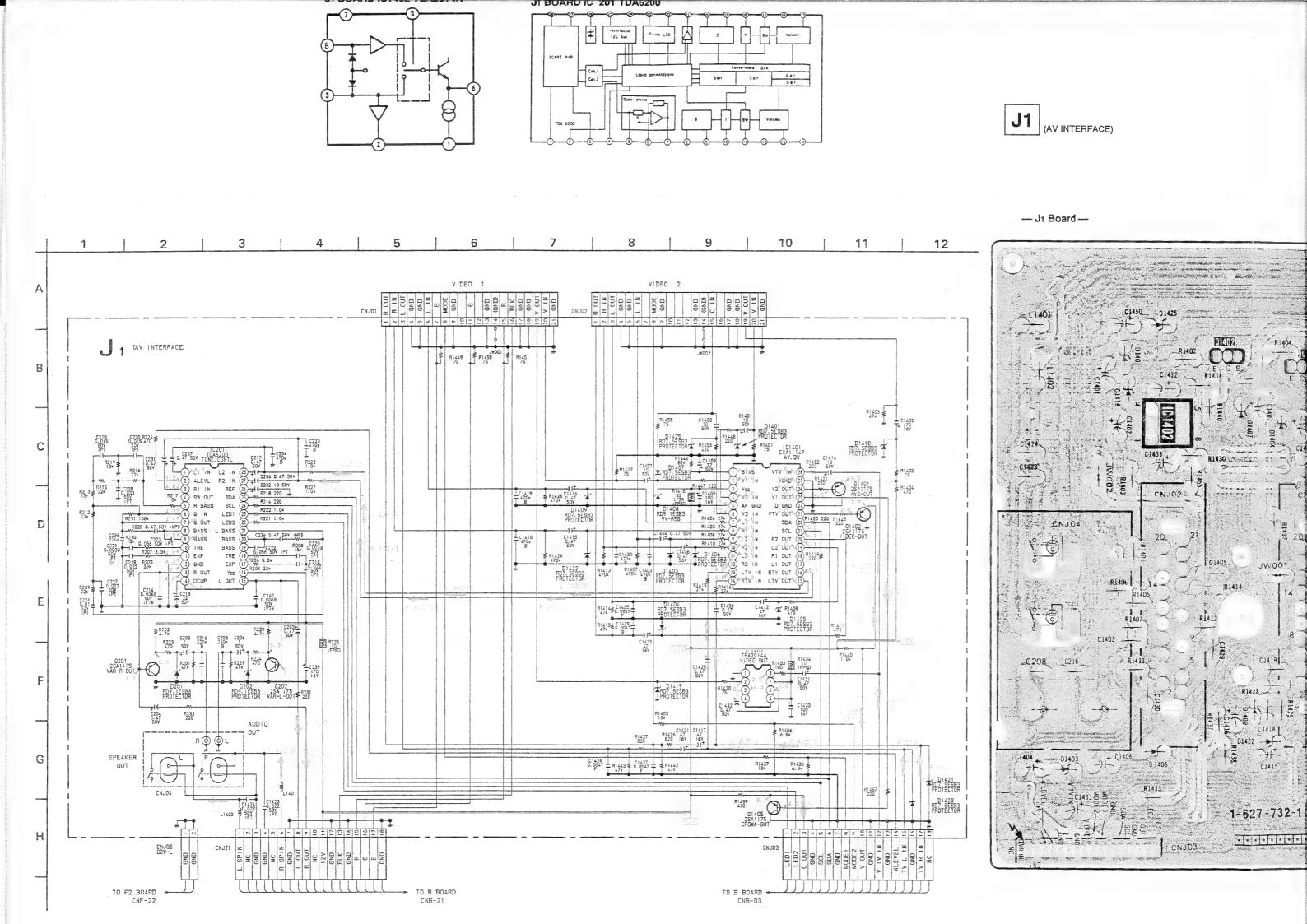


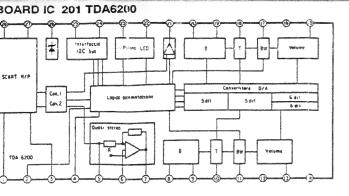




## B1 BOARD IC3001 TDA4555-V8



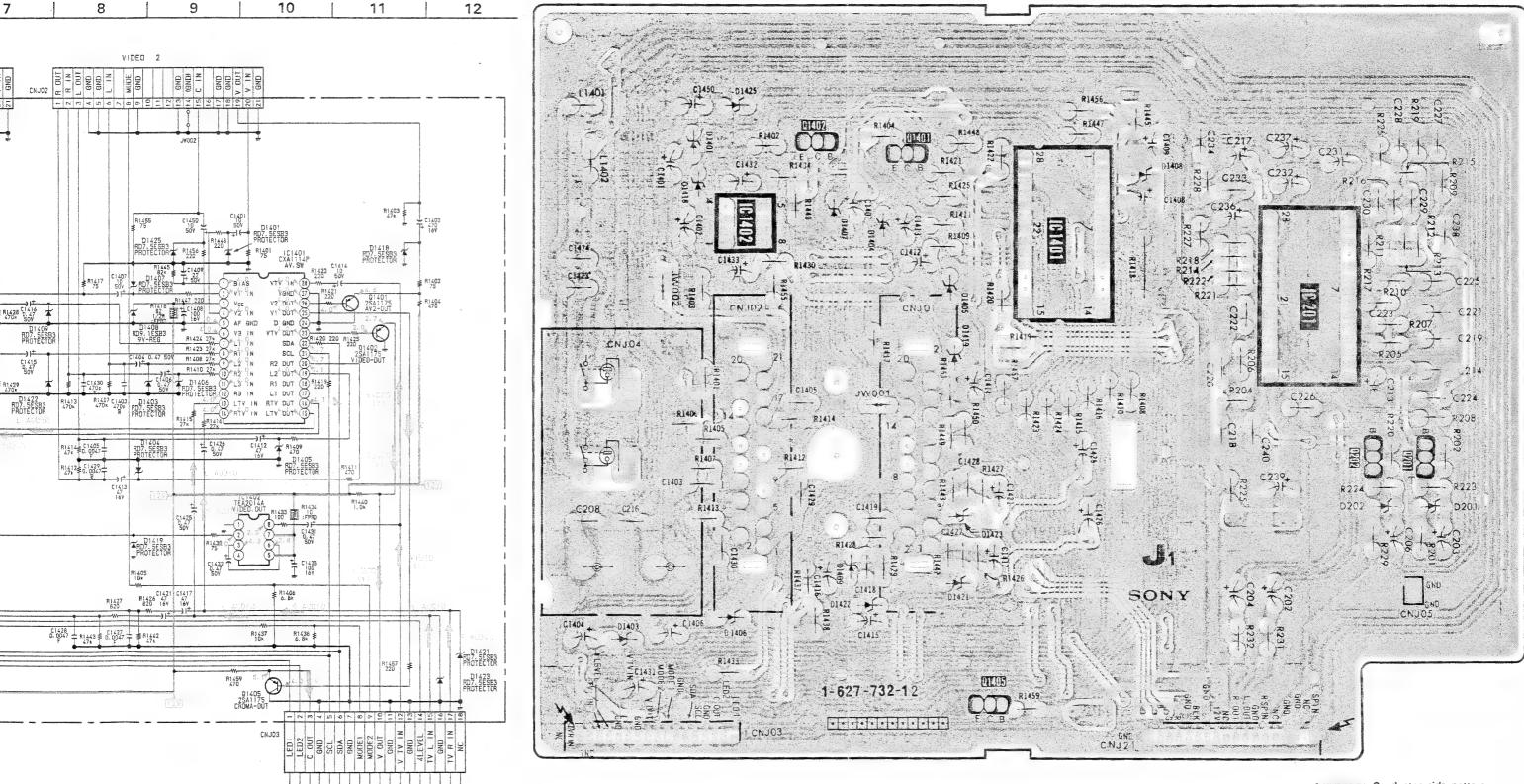




CNB-03

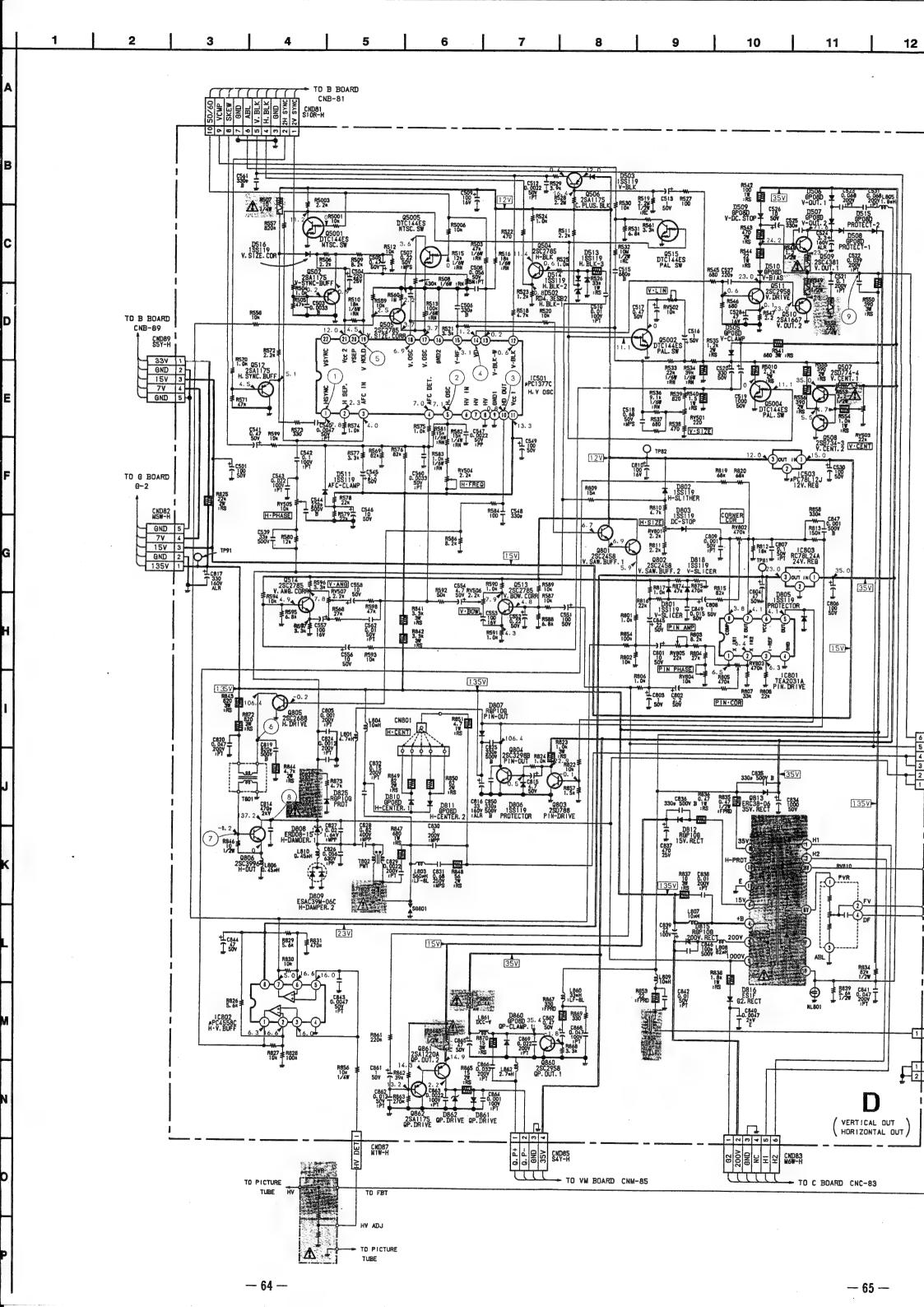
J1 (AV INTERFACE)

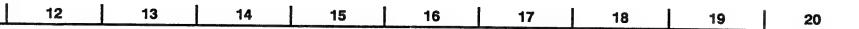


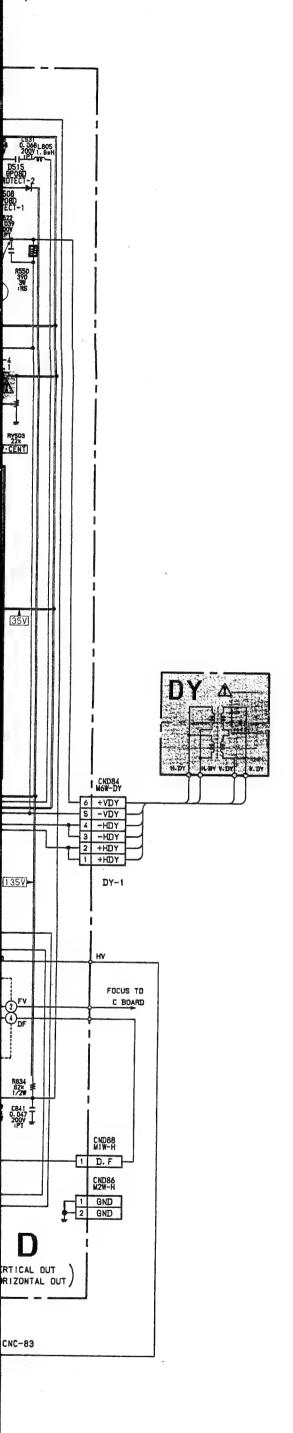


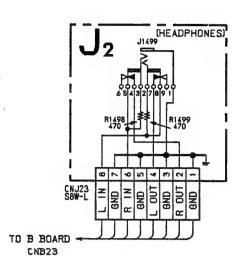
• Conductor side pattern

• Component side pattern



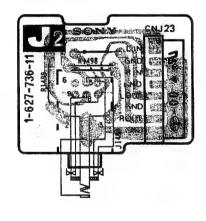




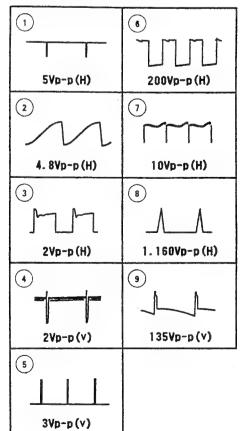




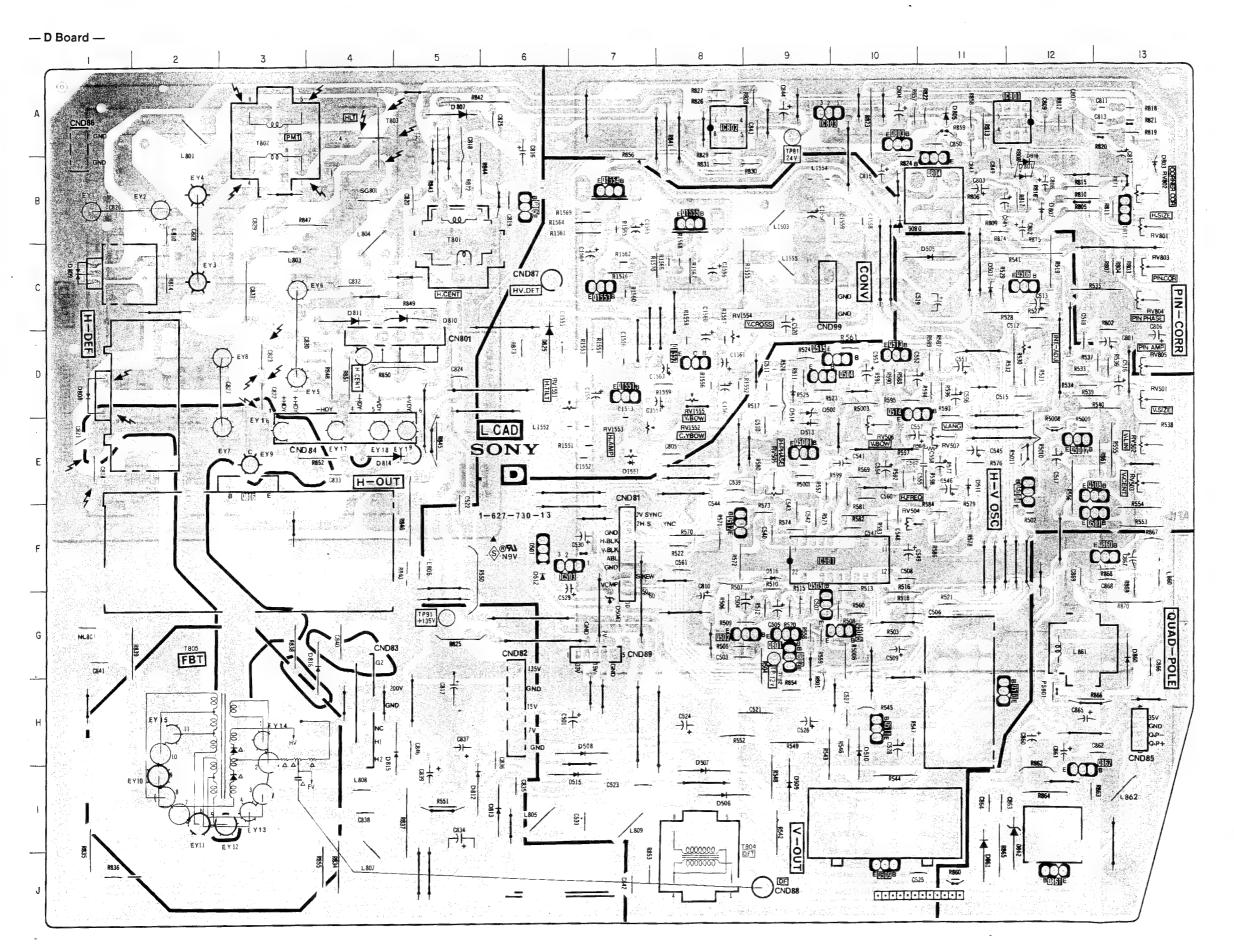
# — Ja Board —



# **WAVEFORMS D BOARD**





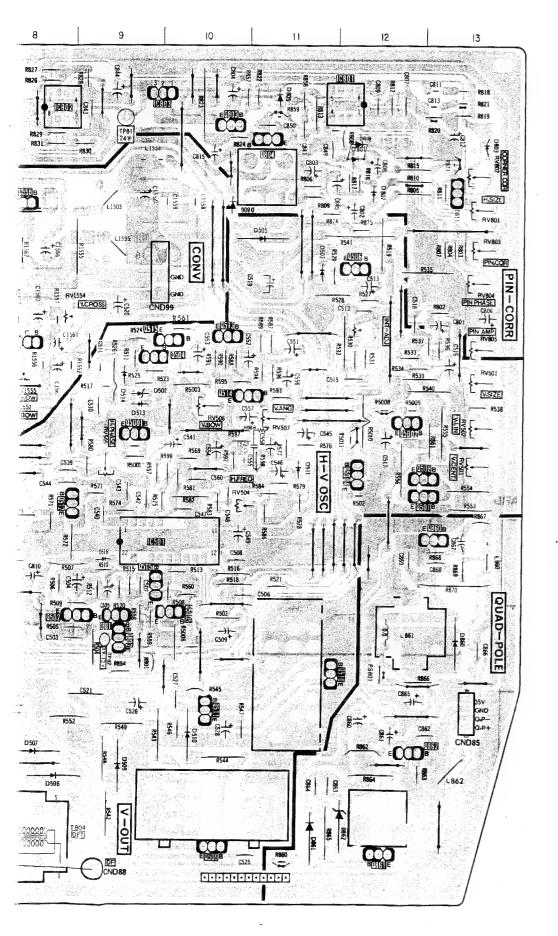


	С	0513	E-9
		0514	D-9
IC501	F-9	0515	1-7
IC503	F-7	D801	B-12
IC801	A-12	D802	8-12
IC802	A-8		
IC803	A-9	D803	B-13
		0805	A-11
		D806	8-10
TRANS	SISTOR	D807 D808	A-5 D-1
0502	G-9	0000	D-1
0504	D-9	D809	C-1
0505	G-9	0810	· C-5
0506	C-12	0811	C-4
Q507	F-13	D812	1-5
	. , =	D813	1-6
0508	E-13		
Q509	J-10	D815	H-5
Q510	H-11	D816	G-4
0511	H-10	D818	
Q512	F-8	D825	D-6
		D860	G-13
Q513	0-10	Doc.	1_44
Q514	E-10	D861	1-11
Q515	D-10	D862	I 12
0801	G-9		
Q802	G-9	VARI	ARIF
0803	A-10		
Q804	B-11	RESIS	
Q805	8-6	RV501	D-13 E-13
1			
Q806	E-3	RV502	
Q806 Q860	E-3 F-13	RV502 RV503	E-13
Q860	F-13	RV503 RV504	E-13 F-10
Q860 Q861	F-13 J-12	RV503	E-13
Q860 Q861 Q862	F-13 J-12 I-12	RV503 RV504 RV505	E-13 F-10 E-9
Q860 Q861 Q862 Q5001	F-13 J-12 I-12 E-9	RV503 RV504 RV505	E-13 F-10 E-9
Q860 Q861 Q862 Q5001 Q5002	F-13 J-12 I-12 E-9 E-12	RV503 RV504 RV505 RV506 RV507	E-13 F-10 E-9 E-10 E-11
Q860 Q861 Q862 Q5001 Q5002 Q5004	F-13 J-12 I-12 E-9 E-12 E-12	RV503 RV504 RV505 RV506 RV507 RV801	E-13 F-10 E-9 E-10 E-11 B-13
Q860 Q861 Q862 Q5001 Q5002	F-13 J-12 I-12 E-9 E-12	RV503 RV504 RV505 RV506 RV507 RV801 RV802	E-13 F-10 E-9 E-10 E-11 B-13 B-13
Q860 Q861 Q862 Q5001 Q5002 Q5004	F-13 J-12 I-12 E-9 E-12 E-12	RV503 RV504 RV505 RV506 RV507 RV801	E-13 F-10 E-9 E-10 E-11 B-13
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005	F-13 J-12 I-12 E-9 E-12 E-12 G-10	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803	E-13 F-10 E-9 E-10 E-11 B-13 8-13 C-13
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005	F-13 J-12 I-12 E-9 E-12 E-12	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005	F-13  J-12 I-12 E-9 E-12 E-12 G-10	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13 C-13
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005 DIC	F-13 J-12 I-12 E-9 E-12 E-12 G-10  DE F-6	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13 C-13 C-13
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005 DIC	F-13  J-12 I-12 E-9 E-12 E-12 G-10  DE  F-6 D-9	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551 RV1552	E-13 F-10 E-9 E-10 E-11 B-13 8-13 C-13 C-13 D-13 D-16 E-7
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005 DIC D501 D502 D503	F-13  J-12 I-12 E-9 E-12 E-12 G-10  DE  F-6 D-9 C-11	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13 C-13 C-13
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005 DIC D501 D501 D502 D503 D505	F-13  J-12 I-12 E-9 E-12 E-12 G-10  DDE  F-6 D-9 C-11 C-11	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551 RV1552 RV1553	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13 C-13 D-13 D-6 E-7 E-7
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005 DIC D501 D502 D503	F-13  J-12 I-12 E-9 E-12 E-12 G-10  DE  F-6 D-9 C-11	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551 RV1552	E-13 F-10 E-9 E-10 E-11 B-13 8-13 C-13 C-13 D-13 D-16 E-7
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005 DIC D501 D501 D502 D503 D505	F-13  J-12 I-12 E-9 E-12 E-12 G-10  DDE  F-6 D-9 C-11 C-11	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551 RV1552 RV1553	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13 C-13 D-13 D-6 E-7 E-7
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005  D10 D501 D502 D503 D505 D506	F-13  J-12 I-12 E-9 E-12 E-12 G-10  DE  F-6 D-9 C-11 C-11 I-8	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551 RV1552 RV1553	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13 C-13 D-13 D-6 E-7 E-7
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005  D501 D501 D502 D503 D505 D506 D507	F-13  J-12 I-12 E-9 E-12 E-12 G-10  DE  F-6 D-9 C-11 C-11 I-8 I-8	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551 RV1552 RV1553	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13 C-13 D-13 D-6 E-7 E-7
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005 DIC D501 D502 D503 D505 D506 D507 D508	F-13  J-12 I-12 E-9 E-12 E-12 G-10  DE  F-6 D-9 C-11 C-11 I-8 I-8 H-7	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551 RV1552 RV1553	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13 C-13 D-13 D-6 E-7 E-7
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005  D501 D502 D503 D505 D506  D507 D508 D509	F-13  J-12 I-12 E-9 E-12 E-12 G-10  DE  F-6 D-9 C-11 C-11 I-8 I-8 H-7 I-9	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551 RV1552 RV1553	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13 C-13 D-13 D-6 E-7 E-7
Q860 Q861 Q862 Q5001 Q5002 Q5004 Q5005  DIC D501 D502 D503 D505 D506  D507 D508 D509 D510	F-13  J-12 I-12 E-9 E-12 E-12 G-10  DE  F-6 D-9 C-11 C-11 I-8  I-8 H-7 I-9 H-10	RV503 RV504 RV505 RV506 RV507 RV801 RV802 RV803 RV804 RV805 RV1551 RV1552 RV1553	E-13 F-10 E-9 E-10 E-11 B-13 B-13 C-13 C-13 D-13 D-6 E-7 E-7

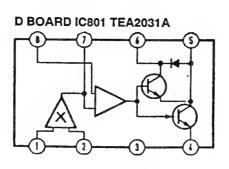


NOTE:

The circuit indicated 600 Vp-p. Care must inspection or repairing



	IC	0513 0514	E-9 D-9
IC501 IC503 IC801 IC802	F-9 F-7 A-12 A-8	D515 D801 D802	1-7 B-12 B-12
IC803	A-9	D803 D805 D806	B-13 A-11 B-10
-	ISISTOR	D807 D808	A-5 D-1
Q502 Q504 Q505 Q506 Q507	G-9 D-9 G-9 C-12 F-13	D809 0810 D811 D812 D813	C-1 C-5 C-4 I-5 I-6
Q508 Q509 Q510 Q511 Q512	E-13 J-10 H-11 H-10 F-8	D815 D816 D818 D825 D860	H-5 G-4 D-6 G-13
Q513 Q514 Q515 Q801 Q802	D-10 E-10 D-10 G-9 G-9	D861 D862	I-11 I-12
Q803	A-10		ABLE
Q804 Q805 Q806 Q860	8-11 8-6 E-3 F-13	RV501 RV502 RV503 RV504	D-13 E-13 E-13 F-10
Q861 Q862 Q5001 Q5002 Q5004 Q5005	J-12 I-12 E-9 E-12 E-12 G-10	RV505 RV506 RV507 RV801 RV802 RV803	E-9 E-10 E-11 B-13 B-13 C-13
DIC	DDE ·	RV804 RV805	C-13 D-13
D501 D502 D503 D505 D506	F-6 0-9 C-11 C-11 I-8	RV1551 RV1552 RV1553 RV1554 RV1555	D-6 E-7 E-7
D507 D508 D509 D510 D511	I-8 H-7 I-9 H-10 E-11		



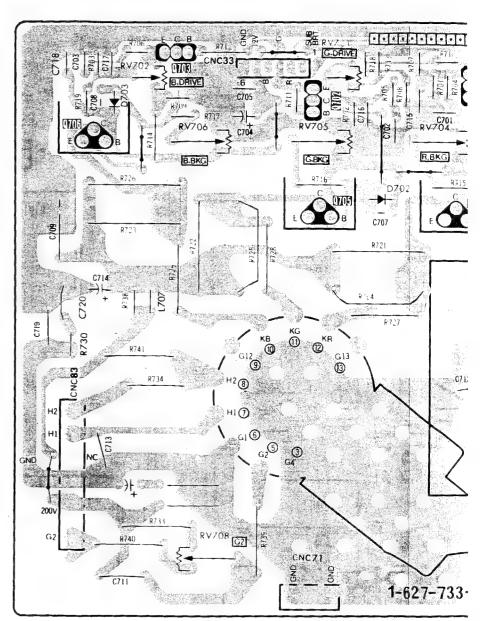


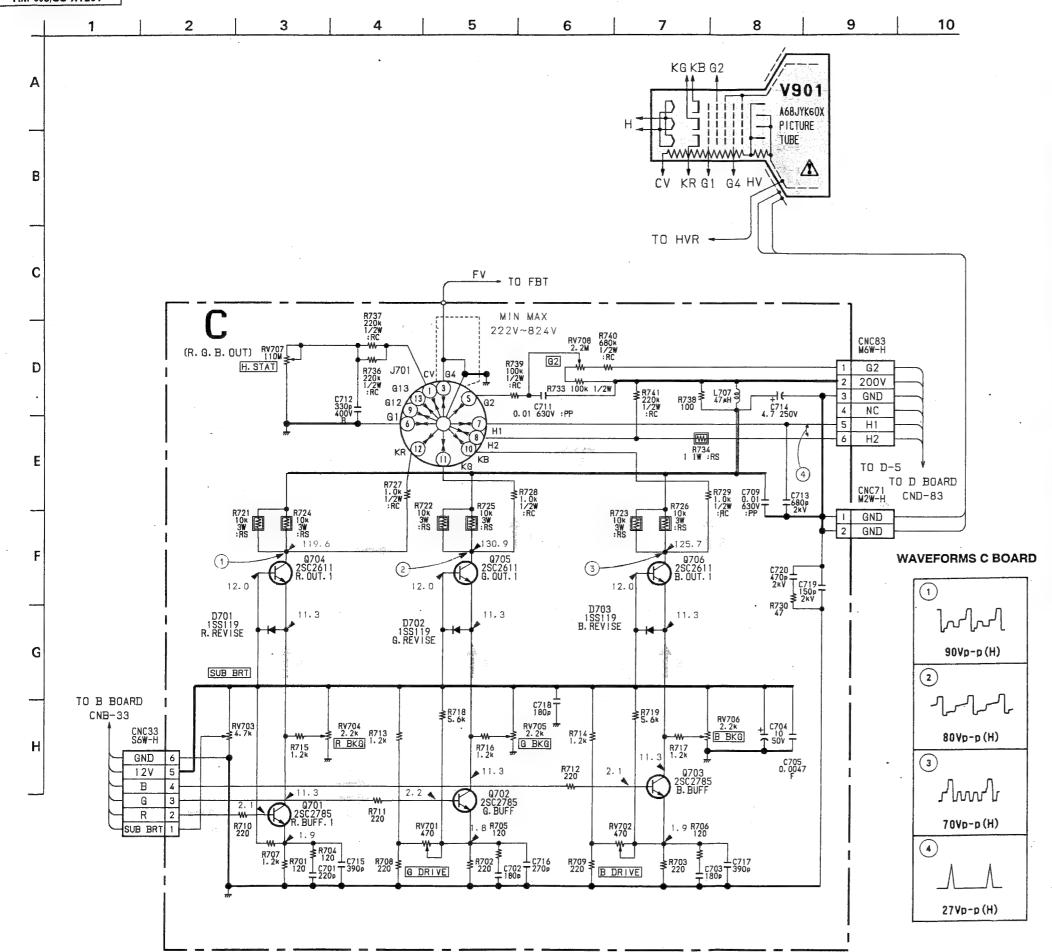
# NOTE:

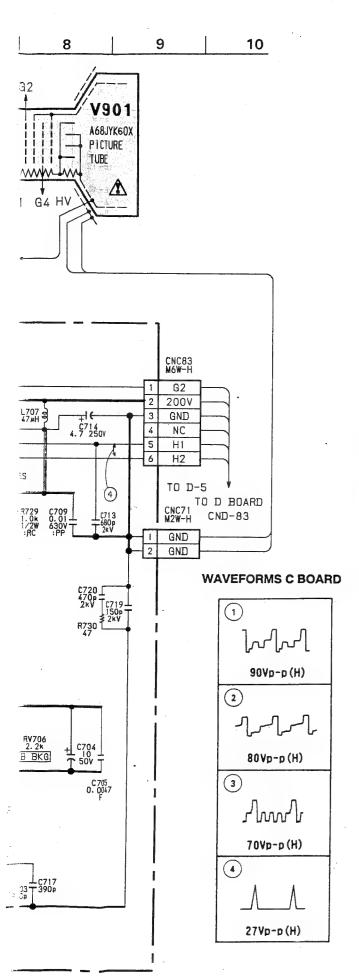
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

KV-F



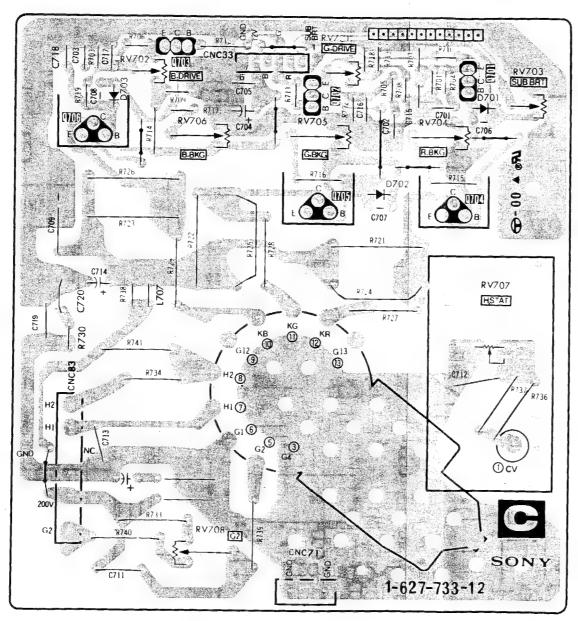






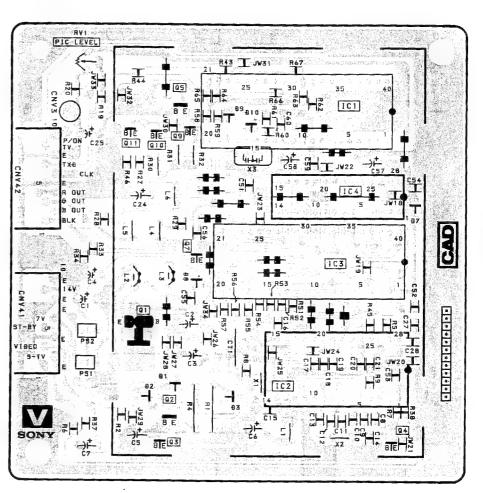
(R.G.B. OUT)

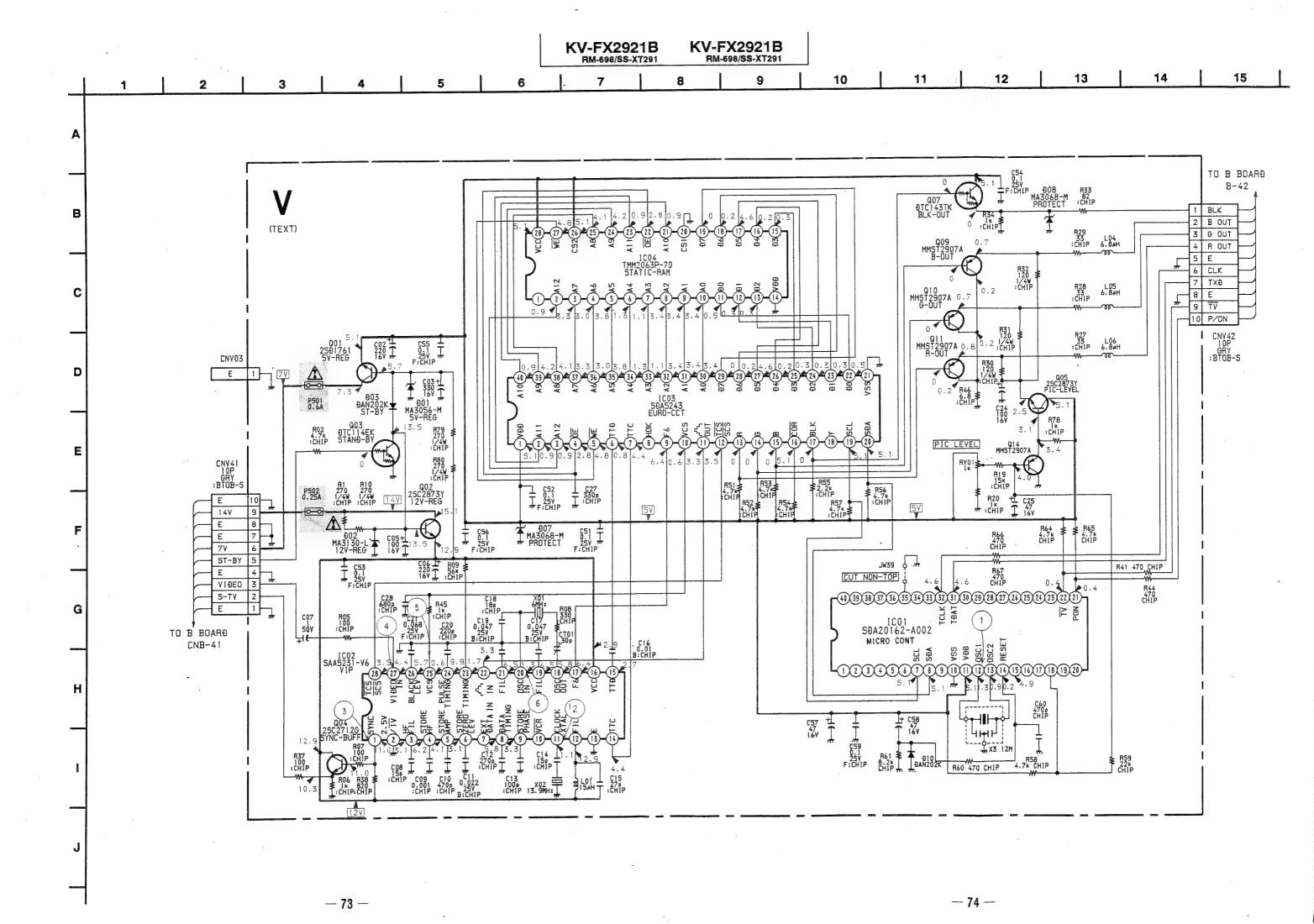
— C Board —



V (TEXT)

--- V Board ---

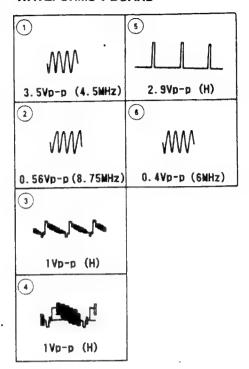




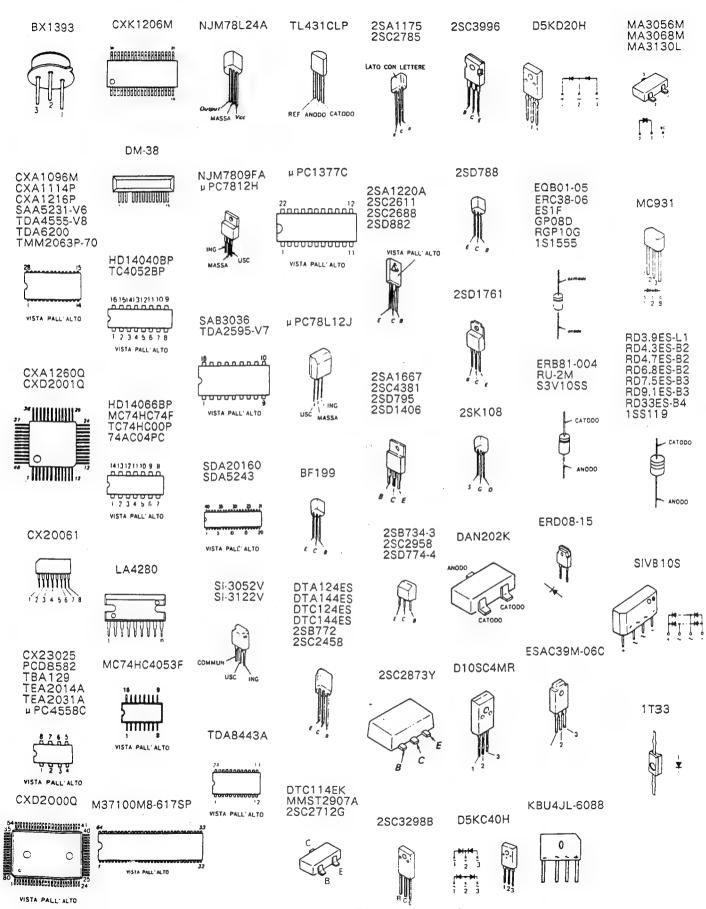
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16 17

# **WAVEFORMS V BOARD**



# 5-4. SEMICONDUCTORE



REMARK

# SECTION 6 **EXPLODED VIEWS**

NOTE:

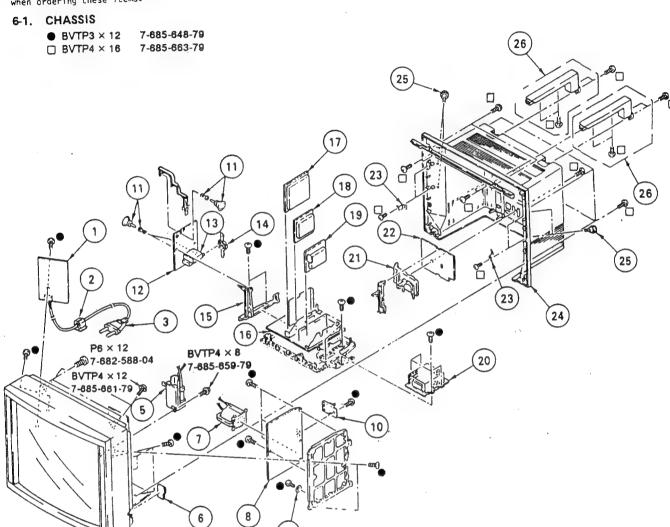
- · Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark A are critical for safety.

Replace only with part number cal for safety.

specified.

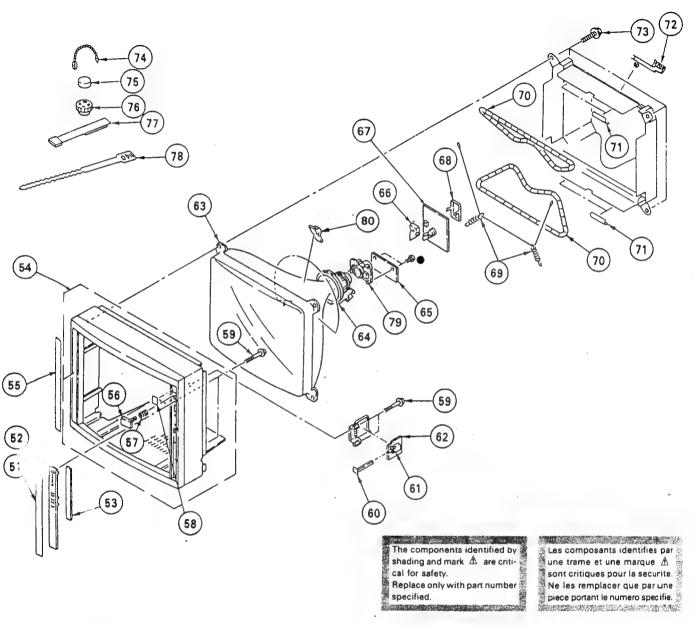
STATE OF THE STATE Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



		ADVIABLE LABOR NO. DART NO.	DESCRIPTION
REF.NO. PART NO.	DESCRIPTION	REMARK   REF. NO. PART NO.	
1 *A-1245-436-A 2 A 4-389-201-02 3 A 1-559-346-12 5 A 1-230-940-31 6 *1-627-736-11 7 A 1-439-443-11 8 *A-1345-798-A 9 3-701-418-00 10 A 1-238-368-11 11 4-386-618-01 12 *A-1296-497-A 13 A 1-465-059-11 14 *4-386-617-01	RESISTOR ASSY, HIGH-VOLTAGE RIVET, T TYPE	19 *A-1135-526-A	BRACKET, A B BOARD, COMPLETE Q BOARD, COMPLETE Y BOARD, COMPLETE B1 BOARD, COMPLETE G BOARD (ZD-109) BRACKET, J J1 BOARD, COMPLETE BRACKET, SPEAKER COVER, REAR SCREW (B) ASSY, ORNAME!TAL HANDLE ASSY

## 6-2. PICTURE TUBE

● BVTP3 × 12 7-685-648-79



REF. NO. PART NO.	DESCRIPTION	REMARK	REF.NO. PART NO.	DESCRIPTION	REMARK
52 4-390-714-01 53 *1-627-728-11 54 X-4390-701-2 55 4-390-704-01 57 3-666-522-00 58 4-390-732-01 59 4-319-520-11 60 4-390-701-01 61 Δ1-571-43-11 62 *1-627-734-11 63 Δ8-733-823-05 64 Δ1-451-333-11	CABINET ASSY (WITH BEZEL ASSY) LABEL (L) BUTTON, POWER SPRING, COMPRESSION LABEL (A) (R) SCREW, SPECIAL (+PW4X30) SHAFT, BUTTON SWITCH, PUSH (AC POWER)		68	C BOAR SOMPLETE COVER RELID), CV SPRING SION COIL, SMETIZATION PACKING WEETER HOLDER, LEAD SCREW (M), PT CLIP, LEAD WIRE MAGNET, DISK; IOHM & MAGNET, RISK; IOHM & PERMALLOY ASSY, CONVERGENCE BAND, BINDING NECK ASSY, PICTURE TUBE (NA-308)	

# **SECTION 7 ELECTRICAL PARTS LIST**

#### NOTE:

- The components identified by shading and mark  $\, \Delta \,$  are critical for safety.
- Replace only with part number specified.

Les composants identifies par sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

• F : nonflammable

· All resistors are in ohms

When indicating parts by reference number, please include the board name.

CAPACITORS

COILS

• MF : µF, PF : µµF

• MMH : inH, UH : µН

une trame et une marque A

REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
	*A-1135-521-A	*********	PLETE	٠		C246	1-130-483-00 1-130-479-00 1-124-791-11 1-130-483-00	MVIAD	0.01MF 0.0047MF 1MF 0.01MF	5% 5% 20% 5%	50V 50V 50V 50V
C001 C002 C003 C004	CAP 1-124-477-11 1-102-129-00 1-102-824-00 1-124-477-11 1-102-951-00	ELECT CERAMIC CERAMIC ELECT	47MF 0.01MF 470PF 47MF	20% 10% 5% 20%	16V 50V 50V 16V 50V	C350 C351 C352 C353 C354	1-124-927-11 1-124-791-11 1-124-927-11 1-130-481-00 1-130-476-00	ELECT ELECT MYLAR MYLAR	4.7MF 1MF 4.7MF 0.0068MF 0.0027MF	20% 20% 20% 5% 5%	50V 50V 50V 50V 50V
C005 C006 C007 C009 C010	1-102-947-00 1-130-477-00 1-124-927-11 1-124-927-11 1-124-927-11	CERAMIC MYLAR ELECT ELECT	15PF 10PF 0.0033MF 4.7MF 4.7MF 4.7MF	0.5PF 5% 20% 20%	50V 50V 50V 50V 50V	C355 C401 C402 C403 C404	1-130-477-00 1-126-320-11 1-126-320-11 1-126-320-11 1-124-477-11	MYLAR ELECT ELECT ELECT ELECT		5% 20% 20% 20% 20%	50V 16V 16V 16V 16V
C011 C012 C013 C014 C015	1-124-927-11 1-101-361-00 1-136-165-00	ELECT CERAMIC FILM	4.7MF 150PF 0.1MF 0.1MF 270PF	20% 5% 5% 5% 5%	50V 50V 50V 50V 50V	C406 C407 C408 C409 C410	1-136-165-00 1-136-165-00 1-136-165-00 1-123-875-11 1-124-477-11	FILM FILM FILM ELECT ELECT	0.1MF 0.1MF 0.1MF 10MF 47MF	5% 5% 5% 20% 20%	50V 50V 50V 50V 16V
C016 C017 C018 C019 C021	1-124-555-95 1-124-478-11 1-124-477-11 1-124-555-95	ELECT ELECT ELECT ELECT	1000MF 100MF 47MF 1000MF 4.7MF	20% 20% 20% 20% 20% 20%	16V 25V 16V 16V 50V	C415 C416 C417 C418 C419	1-136-165-00 1-136-165-00 1-136-165-00 1-124-463-00 1-124-477-11	FILM FILM FILM	0.1MF 0.1MF 0.1MF 0.1MF 47MF	5% 5% 5% 20% 20%	50V 50V 50V 50V 16V
C022 C027 C028 C029 C030	1-124-927-11 1-123-875-11 1-101-004-00 1-130-477-00 1-102-111-00 1-123-875-11	ELECT CERAMIC	10MF 0.01MF	20% 20% 5% 10% 20%	50V 50V 50V 50V 50V	C420 C421 C422 C423 C424	1-126-101-11 1-102-953-00 1-123-875-11 1-124-477-11 1-124-477-11	ELECT	100MF 18PF 10MF 47MF 47MF	20% 5% 20% 20% 20%	16V 50V 50V 16V 16V
C031 C045 C251 C252 C253	1-124-463-00 1-102-074-00 1-124-927-11 1-124-910-11	ELECT CERAMIC ELECT ELECT	0.1MF 0.001MF 4.7MF 47MF		50V 50V 50V 50V 50V	C427 C432 C434 C435 C4001	1-123-875-11 1-123-875-11 1-124-477-11 1-124-477-11 1-123-875-11	ELECT ELECT ELECT	10MF 10MF 47MF 47MF 10MF	20% 20% 20% 20% 20%	50 V 50 V 16 V 16 V 50 V
C254 C255 C256 C261 C262	1-136-165-00 1-126-105-11 1-136-167-00 1-102-074-00 1-124-927-11 1-124-910-11	ribn	O. Imi	20% 5% 10% 20%	35V 50V 50V 50V 50V	1 640Ub	1-126-101-11 1-124-902-00 1-124-902-00 1-124-902-00 1-124-464-11	ELECT ELECT ELECT	100MF 0.47MF 0.47MF 0.47MF 0.22MF	20% 20% 20% 20% 20%	16 V 50 V 50 V 50 V 50 V
C265 C266 C271	1-136-165-00 1-126-105-11 1-136-167-00 1-124-910-11	FILM ELECT FILM ELECT	0.1MF 1000MF 0.15MF 47MF	20% 5% 20% 5% 20% 20%	50V 35V 50V 50V 50V	C4007 C4008 C4009 C4010 C4011	1-124-464-11 1-124-464-11 1-102-816-00 1-102-959-00 1-126-233-11	ELECT ELECT CERAMIC CERAMIC ELECT	0.22MF 0.22MF 120PF 22PF 22MF	20% 20% 5% 5% 20%	50V 50V 50V 50V 50V
C272 C273 C340 C341 C342	1-124-913-95 1-136-165-00 1-124-477-11 1-130-487-00 1-130-471-00	MYLAR	470MF 0.1MF 47MF 0.022MF 0.001MF	5% 20% 5% 5% 5%	50V 16V 50V 50V	C4012 C4013 C4014 C4015 C4016	1-136-173-00 1-101-884-00 1-130-483-00 1-102-978-00 1-123-875-11	FILM CERAMIC MYLAR CERAMIC ELECT	0.47MF 56PF 0.01MF 220PF 10MF	5% 5% 5% 20%	50V 50V 50V 50V
C344 C345	1-130-473-00 1-136-169-00		0.0015MF 0.22MF	5% 5%	50 <b>V</b> 50 <b>V</b>	C4017 C4018	1-101-004-00 1-124-791-11	CERAMIC ELECT	0.01MF 1MF	20%	50 V 50 V

The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite.

Ne les remplacer que par une Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION		REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
C4019 1-101-004-00 C4020 1-123-875-11 C4021 1-124-477-11 C4022 1-124-791-11 C4023 1-102-112-00	CERAMIC 0.01MF ELECT 10MF ELECT 47MF	20% 20% 20% 10%	50V 50V 16V 50V 50V	D406 D407 D408 D411 D412	8-719-911-19	DIODE 1SS119 DIODE RD4.7ES- DIODE 1SS119 DIODE 1SS119	-B2	
C4024 1-126-101-11 C4030 1-124-791-11 C4031 1-123-875-11 C4032 1-124-791-11	ELECT 1MF ELECT 10MF ELECT 1MF	20% 20% 20% 20%	16V 50V 50V 50V	D413 D415 D416 D417 D4001	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS119 DIODE 1SS119 DIODE 1SS119		
<fil'< td=""><td>TER&gt;</td><td></td><td></td><td>D4002 D4003</td><td>8-719-911-19 8-719-911-19</td><td>DIODE 188119 DIODE 188119</td><td></td><td></td></fil'<>	TER>			D4002 D4003	8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119		
CF001 1-577-082-11	TER> VIBRATOR, CERAMIC			D4029 D4030	8-719-911-19 8-719-911-19	DIODE 188119 DIODE 188119		
<con< td=""><td>NECTOR&gt;</td><td></td><td></td><td>1 1 1</td><td>&lt;1C&gt;</td><td></td><td></td><td></td></con<>	NECTOR>			1 1 1	<1C>			
CNB01 *1-564-511-11 CNB02 *1-564-508-11 CNB03 *1-566-367-11 CNB11 *1-566-660-11 CNB13 *1-564-881-11	PLUG, CONNECTOR 8P PLUG, CONNECTOR 5P CONNECTOR, HINGE (RE CONNECTOR, HINGE (PL PLUG, CONNECTOR 4P	CEPTACLE) UG) 18P		IC001 IC002 IC003 IC004 IC005	8-759-632-66 8-759-972-43 8-759-972-43 8-759-232-01 8-749-931-22	IC M37100M8-7 IC PCD8582 IC PCD8582 IC TC74HC00AP IC SI-3122V	14SP	
CNB01 *1-564-511-11 CNB02 *1-564-508-11 CNB03 *1-566-367-11 CNB11 *1-566-660-11 CNB13 *1-564-881-11 CNB21 *1-564-511-11 CNB23 *1-565-501-11 CNB31 *1-565-501-11 CNB32 *1-565-501-11 CNB32 *1-565-501-11 CNB33 *1-564-509-11 CNB44 *1-565-394-11 CNB42 *1-565-394-11 CNB43 *1-565-509-11 CNB44 *1-565-509-11 CNB460 *1-508-786-00 CNB62 *1-564-509-11 CNB63 *1-564-509-11 CNB81 *1-564-503-11 CNB89 *1-564-506-11	CONNECTOR, HINGE (RE PLUG, CONNECTOR 8P CONNECTOR, BOARD TO CONNECTOR, BOARD TO PLUG, CONNECTOR 6P	CEPTACLE) BOARD 10P BOARD 10P		IC251	4-363-414-00 *4-391-704-01 8-759-803-31 *4-368-683-01 8-759-946-99	SPACER, MICA; HOLDER (A), TI IC LA4280 SPRING; IC251 IC TDA2595-V7	IC005 R; IC005	
CNB41 *1-565-394-11 CNB42 *1-565-394-11 CNB43 *1-565-509-11 CNB44 *1-565-509-11 CNB60 *1-508-786-00	PIN, BOARD TO BOARD PIN, BOARD TO BOARD CONNECTOR, BOARD TO CONNECTOR, BOARD TO PIN, CONNECTOR (5MM	CONNECTOR CONNECTOR BOARD 18P BOARD 18P PITCH) 2P		IC381 IC402 IC403 IC404 IC4002	8-759-240-40 8-759-504-21 8-759-000-49 8-759-909-70 8-752-034-85	IC TC4040BP IC TDA8443A-C IC MC14066BCP IC CX23025 IC CXA1216P	4	
CNB62 *1-564-507-11 CNB63 *1-564-509-11 CNB81 *1-564-513-11 CNB83 *1-564-506-11 CNB89 *1-564-508-11	PLUG, CONNECTOR 4P PLUG, CONNECTOR 6P PLUG, CONNECTOR 10P PLUG, CONNECTOR 3P PLUG, CONNECTOR 5P	W.5		104003	8-759-982-10 <c01< td=""><td>IC RC7809FA L&gt;</td><td></td><td></td></c01<>	IC RC7809FA L>		
<010	ስፍ>			L001	1-410-478-11	INDUCTOR INDUCTOR		
0000 0 (17 711 17	DE> DIODE RD3.9ES-L1 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			L003 L027 L4001	1-408-225-00 1-410-478-11 1-408-411-00	INDUCTOR INDUCTOR INDUCTOR	3.3UH 47UH 15UH	
D005 8-719-911-19	DIODE 188119					LINK>		
D006 8-719-911-19 D007 8-719-110-80 D008 8-719-911-19 D009 8-719-911-19	DIODE 1SS119 DIODE RD33ES-B4 DIODE 1SS119 DIODE 1SS119			PS0014	∆ 1-532-637-91 <tra< td=""><td>LINK, IC 1A  NSISTOR&gt;</td><td>*</td><td></td></tra<>	LINK, IC 1A  NSISTOR>	*	
D011 8-719-911-19	DIODE 155119			Q001	8-729-173-38	TRANSISTOR 25	A733-K	
D271 8-719-110-14 D341 8-719-911-19 D342 8-719-911-19	DIODE 1SS119 DIODE RD9.1ES-B3 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119			0002 0003 0004 0005	8-729-119-78	TRANSISTOR 2S TRANSISTOR 2S TRANSISTOR 2S	C2785-HFE A733-K A733-K	
D344 8-719-120-14 D347 8-719-911-19 D348 8-719-911-19 D371 8-719-911-55 D381 8-719-911-19	DIODE RD3.9ES-L1 DIODE ISS119 DIODE ISS119 DIODE U056 DIODE ISS119  DIODE RD7.5ES-B3 DIODE RD7.5ES-B3 DIODE RD7.5ES-B3 DIODE RD7.5ES-B3 DIODE RD7.5ES-B3 DIODE RD7.5ES-B3			Q271 Q340 Q341 Q342 Q343	8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR 2S TRANSISTOR 2S	C2785-HFE C2785-HFE C2785-HFE C2785-HFE	
D401 8-719-110-04 D402 8-719-110-04 D403 8-719-110-04 D404 8-719-911-19 D405 8-719-911-19	DIODE RD7.5ES-B3 DIODE RD7.5ES-B3 DIODE RD7.5ES-B3 DIODE ISS119			Q344 Q345 Q346 Q380 Q381	8-729-119-78 8-729-119-78 8-729-900-89 8-729-119-78 8-729-119-78	TRANSISTOR 2S TRANSISTOR DT TRANSISTOR 2S TRANSISTOR 2S	C2785-HFE C144ES C2785-HFE C2785-HFE	
				Q382	8-729-900-89	TRANSISTOR DT	C144ES	

В

REF.NO.	PART NO.	DESCRIPTIO	N .		REMARK	REF.NO.	PART NO.		DESCRIPTION				REMARK
Q383 0401	8-729-900-89 8-729-119-78	TRANSISTOR TRANSISTOR	DTC144ES 2SC2785-HF	Æ		R029 R030	1-249-42 1-249-43	9-11 1-11	CARBON CARBON	10K 15K	5% 5%	1/4W 1/4W	
Q402 Q403 Q404	PART NO	TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785-HF 2SC2785-HF 2SC2785-HF	7E 7E 7E		R031 R032 R033	1-249-42 1-249-42 1-249-43	9-11 9-11 32-11	CARBON CARBON CARBON	10K 10K 18K	5% 5% 5%	1/4W 1/4W 1/4W	
Q405 Q406	8-729-119-78 8-729-119-78	TRANSISTOR TRANSISTOR	2SC2785-HI 2SC2785-HI 2SC2785-HI	FE FE FE		R037 R038	1-249-41 1-249-41	17-11 17-11	CARBON	1 K 1 K	5%	1/4W 1/4W	
Q408 Q409	8-729-173-38 8-729-119-78	TRANSISTOR TRANSISTOR	2SA733-K 2SC2785-H	FE		R039 R040 R041	1-249-41 1-249-41 1-249-41	17-11 17-11 17-11	CARBON CARBON CARBON	1K 1K 1K 1K	5% 5% 5%	1/4W 1/4W 1/4W	
Q410 Q411 Q412	8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785-H 2SC2785-H 2SC2785-H 2SC2785-H	re Fe Fe Fe		R043	1-249-4	i3-ii 13-11	CARBON	470 470	5% 5%	1/4W	
Q415 Q418 Q419	8-729-119-78 8-729-173-38	TRANSISTOR TRANSISTOR	2SC2785-H	FE		R045 R046 R047	1-249-4 1-249-4 1-249-4	11-11 29-11 29-11	CARBON CARBON CARBON	10K 10K 10K	5%	1/4W 1/4W 1/4W	
- Q420 - Q421 Q422	8-729-119-78 8-729-173-38 8-729-119-78	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785-H 2SA733-K 2SC2785-H 2SA733-K	IFE IFE		R049 R050	1-249-4 1-249-4 1-249-4	29-11 29-11	CARBON CARBON	10K 10K	5% 5%	1/4W 1/4W	
Q424 Q425	8-729-173-36 8-729-119-78 8-729-119-78	TRANSISTOR TRANSISTOR	2SC2785-1 2SC2785-1	IFE IFE		R051 R052 R053	1-249-4 1-249-4 1-249-4	29-11 29-11 25-11	CARBON CARBON	10K 10K 4.7K	5% 5%	1/4W 1/4W 1/4W	
Q431 Q4001 Q4004	8-729-119-78 8-729-119-78 8-729-173-38	TRANSISTOR TRANSISTOR TRANSISTOR	25C2785-1 25C2785-1 25A733-K	HFE		R054 R055 R056	1-249-4 1-249-4 1-249-4	13-11 13-11 29-11	CARBON CARBON CARBON	470 470 10K	5% 5% 5%	1/4W 1/4W 1/4W	
Q4005 Q4006 Q4007	8-729-119-78 8-729-119-78 8-729-119-78	TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785-1 R 2SC2785-1 R 2SC2785-	HFE HFE HFE		R057 R058	1-249-4	129-11 129-11	CARBON	10K 10K	5% 5%	1/4W 1/4W	
04008 04009	8-729-119-78 8-729-119-78	TRANSISTOI TRANSISTOI	R 2SC2785- R 2SC2785-	HFE HFE		R060 R061 R062	1-249-4 1-249-4 1-249-4	17-11 13-11 123-11	CARBON CARBON CARBON CARBON CARBON	1K 470 3.3K	5% 5%	1/4W 1/4W 1/4W	
Q4011 Q4019 Q4024 Q4023	8-729-500-12 8-729-119-78 8-729-600-12 7 8-729-173-38	TRANSISTO	R 2SC2785- R 2SK108-C R 2SA733-K	HFE		R063	1-249-4	135-11 141-11	CARBON CARBON	33K 100K 4.7K	5% 5%	1/4W 1/4W 1/4W	
Q4028	8-729-119-78 8-729-119-78	RANSISTO	R 2SC2785- R 2SC2785- P DTC124FS	HFE		R066 R067	1-249- 1-249- 1-249-	425-11 425-11 431-11	CARBON CARBON CARBON	4.7K 4.7K 15K	5% 5% 5%	1/4W 1/4W 1/4W	
Q4045	5 8-729-900-6	3 TRANSISTO	R DTA124ES			R069 R070	1-249- 1-249-	429-11 421-11	CARBON CARBON CARBON CARBON CARBON CARBON CARBON	10K 2.2K 470	5% 5%	1/4W 1/4W 1/4W	
R001		ESISTOR> 1 CARBON	470	5%	1/4W	R072 R073	1-249- 1-249- 1-249-	413-11 413-11 417-11	CARBON CARBON	1 K	5%	1/4 W	
R002 R003 R005 R007	1-249-431-1 1-249-425-1 1-249-429-1	1 CARBON	15K 4.7K 10K 10K	5%	1/4W 1/4W 1/4W 1/4W	R077	1-249-	437-11	CARBON	6.8K 47K 47K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R008 R009	1-249-429-1	1 CARBON	10K 10K	5% 5%	1/4W 1/4W	R078	1-249-	429-11	CARBON	10K 10K		1/4W 1/4W	
R010 R011 R012	1-249-429-1 1-249-429-1	1 CARBON 1 CARBON	10K 10K 10K	5% 5%	1/4W 1/4W 1/4W	R082 R083 R084 R251	1-249- 1-249- 1-249-	417-11 429-11 419-11	CARBON CARBON CARBON	1K 10K 1.5k 3.3k	5% 5% 5% 5%	/4W /4W /4W /4W	
R013 R014 R015	1-249-429-1	1 CARBON	10K 10K 4.7K	5% 5% 5%	1/4W 1/4W 1/4W	R252	1-249-	413-11	CARBON	470 2.2		1/4 W	)
RO16 RO17	1-249-417-1	1 CARBON 1 CARBON	1 K 1.5 K 18 K	5%	1/4W 1/4W 1/4W	R254 R261 R262 R263	1-249- 1-249-	-419-1 -423-1	L CARBON L CARBON	1.5i 3.3i 470	5% 5% 5% 5% 5%	/4 W  /4 W  /4 W	)
RO19 RO20 RO21 RO22	1-249-439-1 1-249-429-1 1-249-429-1	1 CARBON 11 CARBON 11 CARBON	68K 10K 10K	5% 5% 5% 5%	1/4W 1/4W 1/4W	R264	1-249- 1-249-	-385-1: -413-1	1 CARBON 1 CARBON	2.2 470 10K	5% 5% 5% 5%	/4 W /4 W /4 W	V
RO23	3 1-249-429-1 4 1-249-438-1	CARBON CARBON	10K	5% 5%	1/4W 1/4W 1/4W	R277 R277 R33	3 1-249- 3 1-247-	-429-1 -417-1 -883-0	1 CARBON O CARBON	1K 150		/4 4	d d
RO25 RO26		11 CARBON 11 CARBON	10K 10K	5%	1/4W 1/4W	R340	1-249	-431-1	1 CARBON	15K	5%	/4 V	ı



REF.NO. PART NO.	DESCRIPTION	•			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R343 1-249-417-11 R344 1-249-425-11	CARBON CARBON CARBON	4.7K 1K 4.7K	5% 5%	1/4W 1/4W 1/4W 1/4W		R430	1-249-413-11 1-249-413-11 1-249-425-11	•	470 470 4.7K	5% 5%	1/4W 1/4W 1/4W	
R346 1-249-425-11	CARBON CARBON	10K 4.7K 1K		1/4W 1/4W		R431 R432 R433 R434 R437	1-249-411-11 1-249-409-11 1-249-429-11	CARBON CARBON CARBON	330 220 10K	5% 5% 5%	1/4W 1/4W 1/4W	
R348 1-249-437-11 R349 1-249-429-11 R350 1-249-433-11	CARBON CARBON CARBON CARBON CARBON	47K 10K 22K 3.3K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R438 R439 R440	1-249-427-11 1-249-413-11 1-249-409-11	CARBON CARBON CARBON CARBON	470 220 1K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
R352 1-247-883-00 R353 1-249-416-11 R354 1-249-415-11 R355 1-249-428-11 R356 1-249-441-11	CARBON CARBON CARBON CARBON CARBON	150K 820 680 8.2K 100K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R443 R444 R445 R446 R453	1-249-417-11 1-249-417-11 1-249-429-11 1-249-427-11 1-249-417-11	CARBON CARBON CARBON CARBON CARBON CARBON	1K 1K 10K 6.8K 1K	5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R357 1-247-881-00 R358 1-249-430-11 R359 1-247-885-00	CARBON CARBON CARBON	120K 12K 180K	5% 5% 5% 5%	1/4W 1/4W 1/4W		1	1-249-417-11	CARBON	470 1K	5% 5% 5%	1/4W 1/4W	
R360 1-249-425-11 R361 1-249-423-11	CARBON CARBON	). ji	26	1/4₩		R462	1-249-413-11 1-249-413-11 1-249-413-11	CARBON CARBON CARBON	470 470 470	5% 5%	1/4W 1/4W 1/4W	
	CARBON CARBON CARBON CARBON CARBON	22K 22K 1.2K 4.7K 1K	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R463 R466 R467 R468	1-249-413-11 1-249-417-11 1-249-425-11 1-249-415-11	CARBON CARBON	470 1K 4.7K 680	52	1/4W 1/4W 1/4W	
5-67 1-249-421-11 6-8 1-249-429-11	CARBON CARBON	2.2K 10K 4.7K	5% 5%	1/4W 1/4W		R470 R471	1-249-425-11 1-249-415-11 1-249-425-11	CARBON CARBON CARBON	4.7K 680 4.7K	5% 5%	1/4W 1/4W 1/4W	
R370 1-249-413-11 R371 1-249-405-11	CARBON CARBON CARBON	470 100	5% 5%	1/4W 1/4W 1/4W		R473 R474 R476 R477	1-249-415-11 1-249-417-11 1-249-441-11	CARBON CARBON CARBON	680 1K 100K	5% 5% 5% 5%	1/4W 1/4W 1/4W	
R372 1-249-405-11 R373 1-249-417-11 R374 1-249-431-11 R375 1-249-435-11 R376 1-249-419-11	CARBON CARBON CARBON CARBON CARBON	100 - 1K 15K 33K 1.5K	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		R478 R479 R480 R481	1-249-429-11 1-249-429-11 1-249-429-11 1-249-407-11	CARBON CARBON CARBON	10K 10K 10K 150	5% 5%	1/4W 1/4W 1/4W	
R377 1-249-421-11 R378 1-249-422-11	CARBON CARBON	2.2K 2.7K	5% 5% 5%	1/4W 1/4W		R482 R483	1-249-417-11	CARBON	1 K 1 K	5% 5% 5%	1/4W 1/4W 1/4W	
R381 1-249-429-11 R404 1-249-429-11 R405 1-249-429-11	CARBON CARBON CARBON	10K 10K 10K	5%	1/4W 1/4W 1/4W		R484 R489 R490 R491	1-249-433-11 1-247-891-00 1-247-891-00 1-249-417-11	CARBON CARBON CARBON	22K 330K 330K 1K 39K	5% 5% 5%	1/4W 1/4W 1/4W	
R407 1-249-429-11 R408 1-249-429-11	CARBON CARBON CARBON		5% 5%	1/4W 1/4W 1/4W			1-249-436-11 1-249-437-11	CARBON	39K 47K 27K		1/4W 1/4W 1/4W	
R409 1-249-417-11 R410 1-249-429-11	CARBON	1 K 10 K 10 K	5% 5%	1/4W 1/4W 1/4W		R4003 R4004 R4005 R4006	1-249-434-11 1-249-437-11 1-249-431-11 1-249-431-11	CARBON CARBON CARBON CARBON	47K 15K 15K	5%%%%% 5%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W 1/4W	
R411 1-249-429-11 R412 1-249-417-11 R413 1-249-403-11 R414 1-249-403-11 R415 1-249-403-11	CARBON CARBON CARBON CARBON CARBON	1 K 68 68 68	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R4007 R4008 R4009 R4010	1-249-421-11 1-249-421-11 1-249-421-11 1-249-436-11	CARBON CARBON CARBON	2.2K 2.2K 2.2K 39K	55%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%	1/4W 1/4W 1/4W 1/4W	
R416 1-249-419-11 R417 1-249-411-11 R418 1-249-419-11	CARBON CARBON CARBON	1.5K 330 1.5K	5%	1/4W 1/4W 1/4W		R4011	1-249-422-11	CARBON CARBON	2.7K 1K		1/4W	
R419 1-249-411-11 R420 1-249-419-11	CARBON CARBON CARBON	330 1.5K 330	5%	1/4W 1/4W		R4014 R4015 R4016 R4017	1-249-441-11 1-249-441-11 1-249-439-11 1-249-425-11	CARBON CARRO	100K 100K 68K 4.7K	5% 5% 5% 5% 5%	1/ 1/ 1/4% 1/4W	
R421 1-249-411-11 R422 1-249-429-11 R423 1-249-429-11 R424 1-249-421-11 R425 1-247-804-11	CARBON CARBON CARBON CARBON	10K 10K 2.2K 75	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W		R4019 R4020 R4021 R4022	1-249-425-11 1-249-429-11 1-249-429-11 1-249-405-11	CARBON CARBON CARBON	4.7K 10K 10K 100	5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W	
R426 1-249-409-11 R427 1-249-425-11 R428 1-249-425-11	CARBON CARBON CARBON	220 4.7K 4.7K		1/4W 1/4W 1/4W		R4023	1-249-405-11 1-249-405-11	CARBON	100 100	5%	1/4W 1/4W	
R429 1-249-429-11	CARBON	10K	5%	1/4W		R4025	1-249-415-11	CARBON	680	5%	1/4W	

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REF.NO. PART NO.	DESCRIPTION	•		REMARK :	REF.NO.	PART NO.	DESCRIPTION			REMARK
R4026 1-247-883-00 R4027 1-249-429-11	CARBON CARBON	150K 5% 10K 5% 1K 5%	1/4W 1/4W	1	C3024 C3025	1-101-004-00 1-101-004-00	CERAMIC CERAMIC	0.01MF 0.01MF		50V 50V
R4028 1-249-417-11 R4029 1-249-434-11 R4030 1-249-414-11	CARBON	27K 5% 560 5%	1/4W 1/4W 1/4W		C3028	1-102-942-00 1-102-944-00 1-102-944-00	CERAMIC	5PF 7PF 7PF 7PF	0.5PF 0.5PF 0.5PF 0.5PF	50V 50V 50V 50V
R4031 1-249-417-11 R4032 1-249-424-11 R4033 1-249-411-11	CARBUN	1K 5% 3.9K 5% 330 5% 220 5%	1/4W 1/4W 1/4W		C3030	1-102-944-00 1-102-944-00 1-124-963-11	CERAMIC	7PF 33MF	0.5PF 20%	50V 16V
R4034 1-249-409-11 R4035 1-249-417-11	CARBON	1K 5%	1/4W 1/4W 1/4W		C3032 C3034 C3039	1-124-120-11 1-101-361-00 1-102-951-00	CERAMIC CERAMIC	220MF 150PF 15PF	20% 5% 5% 5%	16V 50V 50V 50V
R4036 1-249-421-11 R4037 1-249-425-11 R4038 1-249-441-11 R4039 1-249-433-11	CARBON CARBON CARBON	2.2K 5% 4.7K 5% 100K 5% 22K 5% 100K 5%	1/4W 1/4W 1/4W		C3040	1-101-361-00 1-102-971-00 1-124-963-11	CERAMIC	150PF 82PF 33MF	5% 20%	50V 16V
R4040 1-249-441-11 R4041 1-249-425-11	CARBON		1/4W 1/4W 1/4W		1 62076	1-124-477-11 1-101-361-00 1-124-477-11	M.S. P. L. 1	47MF 150PF 47MF	20% 5% 20%	16V 50V 16V
R4042 1-247-895-00 R4043 1-249-429-11 R4045 1-249-425-11 R4046 1-249-419-11	CARBON CARBON CARBON	4.7K 5% 470K 5% 10K 5% 4.7K 5% 1.5K 5%	1/4W 1/4W 1/4W			<00	NNECTOR>			
R4047 1-249-437-11	CARBON	47K 5%	1/4₩		CNB13 CNB13	1*1-565-486-11 2*1-565-486-11	CONNECTOR, CONNECTOR,	BOARD TO BOARD TO	BOARD 10P BOARD 10P	
	RIABLE RESISTO				1		IMMER>			
RV341 1-228-996-00 RV4001 1-228-996-00	RES, ADJ, CA	ADUN 41K	******	:::::::	CT300	1 1-141-181-11 2 1-141-181-11	CAP, TRIMME CAP, TRIMME	R R		
	BI BOARD, CO	MPLETE				_	ODE>			
27( 522-01	CASE (MAIN) CASE (UPPER) CASE (BOTTO)	SHIELD , SHIELD 1), SHIELD			D3001 D3002 D3003 D3004 D3004	8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19	DIODE 1SS1 DIODE 1SS1 DIODE 1SS3 DIODE 1SS3 DIODE 1SS3 DIODE 1SS3	119 119 119 119 119		
<f1< td=""><td>LTER&gt;</td><td></td><td></td><td></td><td>D2010</td><td>8-719-911-1 8-719-911-1</td><td>DIODE ISS</td><td>119</td><td></td><td></td></f1<>	LTER>				D2010	8-719-911-1 8-719-911-1	DIODE ISS	119		
BP3001 1-235-835-1	FILTER, BAN	D PASS					ELAY LINE>			
<c.< td=""><td>APACITOR&gt;</td><td></td><td></td><td></td><td>DL30</td><td>01 1-415-122-3</td><td>1 DELAY LIN</td><td>E v</td><td></td><td></td></c.<>	APACITOR>				DL30	01 1-415-122-3	1 DELAY LIN	E v		
C3001 1-102-978-0 C3002 1-102-978-0 C3003 1-101-888-0	) LEKAMIL	220PF 220PF 68PF	5% 5% - 5%	50V 50V 50V	DL30	80 1-415-613-1	C>	E, 1		
C3004 1-102-816-0 C3005 1-102-953-0	O CERAMIC O CERAMIC	120PF 18PF 18PF	5% 5% 5%	50V 50V 50V	1030	01 8-759-947-2 03 8-752-006-1	0 IC TDA455	5-V8		
C3006 1-102-953-0 C3007 1-102-816-0 C3008 1-101-888-0	O CERAMIC	120PF 68PF	5% 5% 5%	50V 50V			:01L>			
C3009 1-101-004-0 C3010 1-130-483-0	O CERAMIC	0.01MF 0.01MF	5%	50V 50V	L300	1-404-554-1	1 COIL			
C3011 1-130-487-0 C3012 1-130-495-C C3013 1-124-119-C C3014 1-124-791-1	O MYLAR IO ELECT 1 ELECT	0.022MF 0.1MF 330MF 1MF	5% 5% 20% 20%	50V 50V 16V 50V	L300 L300 L300	1-404-554-1 3 1-404-539-1 14 1-408-408-1	II COIL II COIL OO INDUCTOR	8.2	ин	
C3015 1-124-791-1 C3016 1-130-491-0 C3017 1-136-173-0	I ELECT O MYLAR O FILM	1MF 0.047MF 0.47MF 0.047MF	20% 5% 5%	50V 50V 50V 50V	L300 L300 L300 L300	)7 1-404-495- )8 1-410-476- 19 1-404-495-	OO CUIL 11 INDUCTOR OO COIL	470 33U	Н	
C3018 1-101-006-0 C3019 1-130-487-0 C3020 1-130-487-0	O MYLAR	0.022MF 0.022MF	5% 5%	50V 50V	L30	1-408-423-	00 INDUCTOR	150 150	ин	
C3021 1-102-074-1 C3022 1-102-816-1 C3023 1-102-074-1	O CERAMIC O CERAMIC	0.001MF 120PF 0.001MF	10% 5% 10%	50V 50V 50V	L30	13 1-410-482-	31 INDUCTOR	100 5.6		



The components identified by shading and mark  $\Lambda$  are critical for safety.

cal for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque 🐧 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION	REMARK REF.NO.	PART NO.	DESCRIPTION	REMARK
<tra< td=""><td>NSISTOR&gt;</td><td>R3061 R3062 R3063</td><td>1-249-421-11 1-249-421-11 1-249-401-11</td><td>CARBON 2.2K 5% CARBON 2.2K 5% CARBON 47 5% CARBON 22K 5%</td><td>1/4W 1/4W 1/4W</td></tra<>	NSISTOR>	R3061 R3062 R3063	1-249-421-11 1-249-421-11 1-249-401-11	CARBON 2.2K 5% CARBON 2.2K 5% CARBON 47 5% CARBON 22K 5%	1/4W 1/4W 1/4W
Q3001 8-729-119-78 Q3002 8-729-119-78 Q3003 8-729-900-36 Q3004 8-729-119-78 Q3006 8-729-900-36	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR DTC124ES TRANSISTOR 2SC2785-HFE TRANSISTOR DTC124ES	R3064 R3065 R3071 R3072	1-249-433-11 1-249-433-11 1-249-423-11 1-249-423-11	CARBON         22K         5%           CARBON         22K         5%           CARBON         3.3K         5%           CARBON         3.3K         5%           CARBON         47K         5%           CARBON         47K         5%	1/4W 1/4W 1/4W 1/4W 1/4W
Q3007 8-729-900-36 Q3008 8-729-900-36 Q3009 8-729-119-78 Q3013 8-729-119-78 Q3020 8-729-119-78	TRANSISTOR DTC124ES TRANSISTOR DTC124ES TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE	R3076 R3077 R3081 R3085	1-249-437-11 1-249-441-11 1-249-441-11 1-249-417-11	CARBON 47K 5%  CARBON 100K 5%  CARBON 100K 5%  CARBON 1 K 5%  CARBON 33K 5%  CARBON 820 5%	1/4W 1/4W 1/4W 1/4W
Q3021 8-729-119-78 Q3025 8-729-119-78 Q3026 8-729-900-36 Q3027 8-729-119-78 Q3028 8-729-119-78	DESCRIPTION  TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR DTC124ES TRANSISTOR DTC124ES TRANSISTOR DTC124ES TRANSISTOR DTC124ES TRANSISTOR DTC124ES TRANSISTOR ZSC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR ZSC2785-HFE T	R3088 R3089 R3090	1-249-435-11 1-249-416-11 1-249-414-11 1-249-417-11 1-249-410-11	CARBON         33K         5%           CARBON         82O         5%           CARBON         56O         5%           CARBON         1K         5%           CARBON         27O         5%           CARBON         47O         5%           CARBON         39O         5%	1/4W 1/4W 1/4W 1/4W 1/4W
Q3031 8-729-119-78 Q3032 8-729-173-38	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K	R3091 R3092	1-249-413-11 1-249-412-11 1-249-409-11	CARBON         470         5%           CARBON         390         5%           CARBON         220         5%	1/4W 1/4W 1/4W
<res< td=""><td>ISTOR&gt;</td><td>R3094</td><td>1-249-417-11</td><td>CARBON 220 5% CARBON 1K 5%</td><td>1/4W</td></res<>	ISTOR>	R3094	1-249-417-11	CARBON 220 5% CARBON 1K 5%	1/4W
R3004 1-249-412-11	CARBON - 390 5% 1/	W	<vari 1-230-504-11</vari 	ABLE RESISTOR> RES, ADJ, CARBON 220	
R3005 1-249-418-11 R3006 1-249-429-11 R3007 1-215-438-00 R3008 1-249-439-11 R3009 1-249-430-11	CARBON 1.2K 5% 1/ CARBON 10K 5% 1/ METAL 5.1K 1% 1/ CARBON 68K 5% 1/ CARBON 12K 5% 1/ CARBON 68K 5% 1/	W T3001	<tran< td=""><td>SFORMER&gt;</td><td></td></tran<>	SFORMER>	
R3011 1-249-439-11 R3012 1-249-414-11	CARBON 560 5% 1/ CARBON 22K 5% 1/ CARBON 47K 5% 1/	W X3001 W X3002	1-567-413-11	OSCILLATOR, CRYSTAL VIBRATOR, CRYSTAL	
R3017 1-249-441-11 R3018 1-249-419-11	CARBON 100K 5% 1/ CARBON 1.5K 5% 1/ CARBON 270 5% 1/ CARBON 820 5% 1/	₩ ₩	1-627-734-11	F1 BOARD	*************
R3021 1-249-417-11 R3022 1-249-410-11 R3023 1-249-423-11	CARBON 1K 5% 1/ CARBON 270 5% 1/ CARBON 3.3K 5% 1/	W W CNF62 *		IECTOR> PIN, CONNECTOR 4P	
R3024 1-249-405-11 R3025 1-249-435-11 R3026 1-249-416-11 R3027 1-249-436-11 R3028 1-249-419-11	CARBON 100 5% 1/ CARBON 33K 5% 1/ CARBON 820 5% 1/ CARBON 39K 5% 1/ CARBON 1.5K 5% 1/		<swit< td=""><td>CH&gt; SWITCH, PUSH (AC POWER)</td><td></td></swit<>	CH> SWITCH, PUSH (AC POWER)	
R3029 1-249-436-11 R3030 1-249-435-11 R3031 1-249-419-11 R3032 1-249-414-11 R3033 1-249-435-11	CARBON 39K 5% 1/ CARBON 33K 5% 1/ CARBON 1.5K 5% 1/ CARBON 560 5% 1/ CARBON 33K 5% 1/	₩ ₩	4-1245-436 <b>-</b> A	F2 BOARD, COMPLETE	***************************************
R3034 1-249-436-11 R3035 1-249-436-11 R3037 1-249-429-11 R3038 1-249-429-11 R3039 1-249-419-11	CARBON 39K 5% 1/ CARBON 39K 5% 1/ CARBON 10K 5% 1/ CARBON 10K 5% 1/ CARBON 1.5K 5% 1/	W C1601A W C1602A W C1604A	1-136-519-11 1-136-518-11 1-161-964-61	CITOR>  FILM 0.47MF FILM 0.33MF CERAMIC 0.0047MF CERAMIC 0.0047MF	20% 300 V 20% 300 V 250 V 250 V
R3040 1-249-421-11 R3048 1-249-434-11 R3049 1-249-405-11 R3056 1-247-893-11 R3057 1-247-893-11	CARBON 2.2K 5% 1/ CARBON 27K 5% 1/ CARBON 100 5% 1/ CARBON 390K 5% 1/ CARBON 390K 5% 1/	C1606 C1607 C1608A C1609A	1-162-599-12 1-125-318-00 1-162-578-51 1-162-578-51	CERAMIC 0.0047MF  ELECT (BLOCK) 220MF  CERAMIC 0.0047MF  CERAMIC 0.0047MF	250 V 20% 400 V 20% 400 V 20% 400 V
R3058 1-249-409-11	CARBON 220 5% 1/			CERAMIC 0.0047MF CERAMIC 0.0047MF	20% 400 V 20% 400 V

The components identified by shading and mark  $\Lambda$  are critical for safety.

cal for satety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK 
C1612 1-124-556-11 C1613 1-124-911-95 C1614 1-123-875-11 C1615 1-124-473-95 C1616 1-124-477-11	ELECT ELECT ELECT	220MF 10MF 1000MF	20% 20% 20% 20% 20%	16V 50V 50V 10V 16V	R1611 R1612	1-249-377-51 1-249-423-11 1-249-425-11 1-249-423-11 1-249-421-11	CARBON CARBON	0.47 5% 3.3K 5% 4.7K 5% 3.3K 5% 2.2K 5%	1/4W 1/4W 1/4W 1/4W 1/4W	F
C1617 1-124-791-11 C1618 1-124-477-11 C1621 1-126-101-11 C1622 1-126-101-11	ELECT	47MF 1MF 47MF 100MF 100MF	20% 20% 20% 20% 20%	50V 16V 16V 16V 10V	i .	1-249-421-11 1-205-949-11		2.2K 5% 1.8 5%	1/4W 10W	F
C1623 1-126-176-11		220MF			 	<rel< td=""><td>AY&gt;</td><td></td><td></td><td></td></rel<>	AY>			
C1624 1-162-599-12	CERAMIC	U. UU4/Mr		2301	RY1601.	<u> 1-515-579-11</u>	RELAY			
	INECTOR>					<the< td=""><td>RMISTOR&gt;</td><td></td><td></td><td></td></the<>	RMISTOR>			
CNF20 *1-566-664-11 CNF21 *1-566-664-11	DIN CHARLE	THE AP	אות כוו /		THP601.	^1112 1-808-059-31	THERMISTOR,	POSITIVE		
CNF22 *1-560-290-00 CNF63 *1-564-509-11	PLUG, CONNE	CTUR (2.5MM CTOR 6P			i	*********			******	*******
CNF64 *1-508-766-00						*A-1275-093-A	Q BOARD, COM	PLETE ****		
CNF65 *1-508-765-00 CNF67 *1-564-506-11 CNF68 *1-508-784-00	PLUG CONNE	CTOR 3P								
					1	<caf< td=""><td>PACITOR&gt;</td><td></td><td>_</td><td></td></caf<>	PACITOR>		_	
< DII	ODE>				C1301 C1302	1-131-381-00 1-101-004-00 1-126-101-11 1-101-004-00 1-131-381-00	TANTALUM CERAMIC	47MF 0.01MF		10V 50V
D1601 A 8-719-946-90	DIODE KBU4J	L-6088			C1303 C1304	1-126-101-11 1-101-004-00	ELECT CERAMIC	0.01MF	20%	16V 50V
D1602A 8-719-521-10 D1603 8-719-911-19	DIODE SIVBI	0-S			C1305			47MF	10%	10V 50V
D1604 8-719-911-19 D1605 8-719-109-97	DIODE 15511 DIODE RD6.8	9 ES-B2			C1306 C1307	1-101-004-00 1-131-377-00 1-101-004-00 1-131-377-00 1-101-004-00	CERAMIC TANTALUM	0.01MF 10MF 0.01MF	10%	10Y 50Y
D1606 8-719-911-19	DIODE 18811	9			C1308	1-101-004-00	TANTALUM	10MF 0.01MF	10%	10V 50V
					C1310	1-101-004-00 1-126-101-11 1-101-004-00 1-131-381-00 1-101-004-00 1-123-875-11	FIFCT	100MF	20%	167
<fu< td=""><td>SE&gt;</td><td>w</td><td></td><td></td><td>C1312</td><td>1-101-004-00</td><td>CERAMIC TANTALUM</td><td>0.01MF 47MF</td><td>10%</td><td>50V 10V</td></fu<>	SE>	w			C1312	1-101-004-00	CERAMIC TANTALUM	0.01MF 47MF	10%	50V 10V
F1601 <u>A</u> 1-532-504-41 1-533-087-00	HOLDER, FUS	E; F1601			C1314	1-101-004-00	CERAMIC ELECT	0.01MF 10MF	20%	50V 50V
<10					1 47222	1-123-875-11	ELECT	10MF	20%	50¥
IC1601 8-759-982-13					C1317	1-123-875-11 1-101-004-00 1-101-004-00 1-101-004-00 1-123-875-11	CERAMIC CERAMIC	0.01MF 0.01MF		50Y 50Y
IC1603 8-749-920-71	SPACER MIC	A: IC1603			C1319 C1320	1-101-004-00 1-123-875-11	CERAMIC ELECT	0.01MF 10MF	20%	50V 50V
*4-391-704-01	HOLDER (A),	TR; 101603			C1321	1-123-875-11	ELECT	10MF	20%	50 V 50 V
<tr< td=""><td>ANSFORMER&gt;</td><td></td><td></td><td></td><td>C1322 C1323</td><td>1-101-004-00 1-101-004-00</td><td>CERAMIC</td><td>0.01MF 0.01MF</td><td></td><td>50V 50V 50V</td></tr<>	ANSFORMER>				C1322 C1323	1-101-004-00 1-101-004-00	CERAMIC	0.01MF 0.01MF		50V 50V 50V
LF1601&1-424-183-1	1 TRANSFORM	R, LINE FIL	TER		C1324 C1325	1-101-004-00 1-123-875-11	CERAMIC ELECT	0.01MF 10MF	201	50V
LF1602A 1-424-183-1 LF1603A 1-421-592-2	11 TRANSFORMS 21 TRANSFORMS	R, LINE FIL R. FERRITE	TER·		C1326	1-123-875-11		10MF 0.01MF	201	50 V 50 V
T1601 .1-449-456-1	1 TRANSFORM	ER, POWER			C1327 C1328	1-101-004-00 1-101-004-00 1-101-004-00	CERAMIC	0.01MF 0.01MF		50V 50V
<tr< td=""><td>RANSISTOR&gt;</td><td></td><td></td><td></td><td>C1329 C1336</td><td></td><td></td><td>10MF -</td><td>101</td><td>10V</td></tr<>	RANSISTOR>				C1329 C1336			10MF -	101	10V
91601 8-729-109-53	TRANSISTOR	2SD795A-P			C1337 C1338	1-101-004-00 1-131-377-00	CERAMIC TANTALUM	0.01MF 10MF	101	50 V 10 V
Q1602 8-729-119-78 Q1603 8-729-119-78	TRANSISTOR TRANSISTOR	2SC2785-HFE			C1339 C1340	1-101-004-00	CERAMIC	0.01MF 10MF	201	50V 50V
. < 28	ESISTOR>				C1343	1-101-004-00	CERAMIC	0.01MF		50V
R1603		1.8 5%	10W	F.	C1344 C1345	1-101-004-00 1-101-004-00	CERAMIC	0.01MF 0.01MF		50V 50V
R 1604 A 1-244-945-91 R 1606 A 1-247-289-11	1 CARBON 1 CARBON	1M 5% 8.2M 5%	1/2V 1W	V	C1348 C1349	1-101-004-00	CERAMIC	0.01MF 0.01MF		50 V 50 V 50 V
R 1607 A 1-249-377-51 R 1608 A 1-249-377-51	1 CARBON 1 CARBON	0.47 5% 0.47 5%	1/40 1/40	V F	C1350	1-101-004-00	CERAMIC	0.01MF		701

REF.NO. PART NO.	DESTACTION		REMARK	REF.NO.	PART NO.	DESCRIPTION	<b>V</b> -	REMARK
C1353 1-101-004-00 C1354 1-101-004-00 C1355 1-101-004-00 C1356 1-101-004-00 C1357 1-101-004-00	CERA 0.01MF CERAMIC 0.01MF CERAMIC 0.01MF CERAMIC 0.01MF		50V 50V 50V 50V 50V	IC1301 IC1302 IC1303 IC1304	<1C> 8-752-032-55 8-752-032-55 8-752-032-55 8-752-328-75 8-752-332-15	IC CXA1096M IC CXA1096M IC CXA1096M		
C1358 l-101-004-00 C1359 l-101-004-00 C1360 l-101-004-00 C1361 l-130-490-11 C1362 l-124-925-11	CERAMIC 0.01MF CERAMIC 0.01MF CERAMIC 0.01MF MYLAR 0.039MF ELECT 2.2MF			IC1307 IC1308 IC1309	8-752-332-15 8-752-328-75 8-752-332-15 8-752-332-15 8-752-328-75	IC CXD2001Q IC CXK1206M		
C1364 1-102-074-00 C1365 1-102-947-00 C1366 1-102-973-00 C1367 1-102-973-00 C1368 1-102-973-00	CERAMIC 10PF CERAMIC 100PF CERAMIC 100PF CERAMIC 100PF	10% 0.5PF 5% 5% 5%	50V 50V 50V 50V 50V	IC1312 IC1314 IC1315	8-752-332-15 8-752-332-15 8-752-328-71 8-759-908-15 8-759-947-14	IC CXK1206M IC CXD2000Q		
C1369 l-102-973-00 C1370 l-101-004-00 C1371 l-131-377-00 C1372 l-101-004-00 C1373 l-101-004-00	CERAMIC 100PF CERAMIC 0.01MF TANTALUM 10MF CERAMIC 0.01MF CERAMIC 0.01MF	5% 10%	50V 50V 10V 50V 50V	IC1321	8-752-032-93 8-759-205-06 8-759-011-65	IC TC74HC74 IC MC74HC40	F	
C1374 1-124-963-11 C1375 1-124-963-11 C1376 1-124-963-11 C1377 1-123-875-11 C1385 1-123-875-11	ELECT 10ME	20% 20% 20% 20% 20%	16V 16V 16V 50V 50V	L1304 L1305 L1306 L1307	1-410-470-11 1-408-397-00 1-408-397-00 1-410-470-11 1-408-397-00		10VH 1VH 1VH 10VH 1VH	
C1389 1-130-480-00 C1390 1-124-791-11	MYLAR 0.0056M	5% 20%	50V 50V		1-404-608-11		100	
<con< td=""><td>INECTOR&gt;</td><td></td><td></td><td></td><td><tra< td=""><td>NSISTOR&gt;</td><td></td><td></td></tra<></td></con<>	INECTOR>				<tra< td=""><td>NSISTOR&gt;</td><td></td><td></td></tra<>	NSISTOR>		
CNQ43 *1-565-494-11 CNQ44 *1-565-494-11	CONNECTOR, BOARD TO CONNECTOR, BOARD TO	BOARD 18P BOARD 18P	·	Q1301 Q1302 Q1303 Q1305	8-729-119-78 8-729-119-78 8-729-119-78 8-729-119-76	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SC2785-HFE 2SC2785-HFE 2SC2785-HFE 2SC2785-HFE	
VIII D1301 8-713-300-57	NIONE 1722			01307	8-729-119-76	TRANSISTOR	2SA1175-HFE	
01301 8 10331	DIODE 1199			Q1308 Q1315	8-729-119-76 8-729-119-76 8-729-119-78 8-729-119-78	TRANSISTOR TRANSISTOR	2SC2785-HFE 2SC2785-HFE	
FL1302 1-236-129-11 FL1303 1-236-164-11 FL1304 1-236-164-11	ENCAPSULATED COMPONE ENCAPSULATED COMPONE ENCAPSULATED COMPONE ENCAPSULATED COMPONE ENCAPSULATED COMPONE	NT NT NT	•	R1301 R1302 R1303 R1304	1-249-408-11 1-249-408-11	CARBON CARBON CARBON CARBON CARBON	180 5% 180 5% 180 5% 1.8K 5%	1/4W 1/4W 1/4W 1/4W
FL1306 1-236-071-11 FL1307 1-236-129-11 FL1308 1-236-129-11 FL1309 1-236-164-11 FL1310 1-236-129-11		NT NT NT		R1305 R1306 R1307 R1308	1-249-420-11 1-249-420-11 1-249-413-11 1-249-421-11	CARBON CARBON CARBON CARBON	1.8K 5% 1.8K 5% 470 5% 2.2K 5%	1/4W 1/4W 1/4W 1/4W
FL1311 1-236-164-11 FL1312 1-236-164-11 FL1313 1-236-164-11	ENCAPSULATED COMPONE ENCAPSULATED COMPONE	NT NT		R1309 R1310	1-249-423-11 1-249-423-11 1-249-423-11	CARBON CARBON	3.3K 5% 3.3K 5%	1/4W 1/4W 1/4W
FL1320 1-236-304-11	ENCAPSULATED COMPONE FILTER, LOW PASS	N I NT		R1312 R1313 R1314 R1315	1-249-414-11 1-249-414-11 1-249-414-11 1-249-419-11	CARBON CARBON CARBON CARBON	560 5% 560 5% 560 5% 1.5K 5%	1/4W 1/4W 1/4W 1/4W
FL1322 1 304-11 FL1323 1 303-11	FILTER, LOW PASS			R1316 R1317 R1318 R1319 R1320	1-249-419-11 1-247-891-00 1-249-417-11 1-249-441-11 1-249-415-11	CARBON CARBON CARBON CARBON CARBON	1.5K 5% 330K 5% 1K 5% 100K 5% 680 5%	1/4W 1/4W 1/4W 1/4W 1/4W
161323 1-230-303-11	TILIUM, LOW I NOO			R1321 R1322	1-249-417-11 1-249-417-11 1-249-417-11	CARBON CARBON CARBON	1K 5% 1K 5% 1K 5%	1/4W 1/4W 1/4W





REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION	1		REMARK
R1324 1-249-417 R1325 1-249-409		220 5%	1/4W 1/4W		C133 C134	1-102-973-00 1-102-963-00	CERAMIC CERAMIC	100PF 33PF	5% 5%	50V 50V
R1326 1-249-409 R1327 1-249-409 R1328 1-249-408	-11 CARBON -11 CARBON -11 CARBON	220 5% 180 5%	1/4W 1/4W 1/4W		C136 C137 C138	1-124-477-11 1-124-477-11 1-124-477-11 1-136-165-00	ELECT ELECT FILM	47MF 47MF 47MF 0.1MF	20% 20% 20% 5%	16V 16V 16V 50V 50V
R1330 1-249-417	-11 CARBON -11 CARBON -11 CARBON -11 CARBON	470 5%	1/4W 1/2W 1/4W 1/4W		C143	1-102-822-00 1-101-361-00 1-102-973-00 1-101-888-00	CERAMIC CERAMIC CERAMIC	390PF 150PF 100PF 68PF_	5% 5% 5% 5%	50V 50V 50V
R1334 1-249-423 R1335 1-249-421	3-11 CARBON 11 CARBON 11 CARBON	3.3K 5% 2.2K 5% 220 5% 220 5% 68 5%	1/4W 1/4W 1/4W		C149 C150	1-102-114-00 1-102-114-00	CERAMIC CERAMIC	470PF 470PF	10%	50V 50V
R1337 1-249-409 R1359 1-249-403			1/4W 1/4W 1/4W 1/4W		C153	1-124-477-11 1-136-161-00 1-101-004-00 1-101-004-00 1-124-477-11	CERAMIC	47MF 0.047MF 0.01MF 0.01MF 47MF	20% 5% 20%	16V 50V 50V 50V 16V
R1368 1-249-417	9-11 CARBON 7-11 CARBON 4-11 CARBON	10K 5% 10K 5% 1K 5% 560 5%	1/4W 1/4W		0133		TER>	•		
R1370 1-249-404	9-11 CARBON	220 5%	1/4W 1/4W 1/4W			1-404-684-11 1-567-569-11				
R1373 1-249-41' R1374 1-249-41'	7-11 CARBON 7-11 CARBON	220K 5% 100K 5% 1K 5% 1K 5%	1/4W 1/4W				NNECTOR>			
R1375 1-247-88 R1376 1-247-88 R1377 1-247-88	7-00 CARBON	220K 5% 220K 5% 220K 5%	1/4W 1/4W 1/4W	-	CNA11 CNA18	*1-566-659-11 *1-565-503-11	CONNECTOR, CONNECTOR,	HINGE (SOCK BOARD TO BO	ET) 18P ARD 12P	
	***********		******	******	*	<01	ODE>			
	97-A A BOARD, CO	*****		•	! ከ1ብደ	8-719-016-42 8-719-911-19 8-719-911-19	DIDUE 1551	19		
1-464-96	4-21 IF BLOCK (I	FG-5.5S)				<10	>			
	<capacitor></capacitor>				10101	8-759-208-08	IC TC4052B	РНВ		
C104 1 154 41	1	22MF 470MF 0.0022MF 47MF 0.0047MF	20% 20% 5% 20%	50V 16V 50V 16V 50V	10103	8-759-946-32 8-759-978-65 8-759-003-90	IC SAB3036 IC TBA129			
	33-11 ELECT	22MF	20%	507			)[[>	560UH		
C107 1-136-17 C108 1-101-00 C109 1-101-00 C110 1-101-00	77-00 FILM 04-00 CERAMIC 03-00 CERAMIC	1MF 0.01MF 0.0047MF 0.0047MF	5%	50V 50V 50V 50V	L100 L101 L102 L103 L104	1-410-116-11 1-408-225-00 1-410-470-11 1-408-408-00 1-410-476-11	INDUCTUR INDUCTOR INDUCTOR	3.3UH 10UH 8.2UH 33UH		
C111 1-124-4' C112 1-101-00 C113 1-101-00 C115 1-123-8' C116 1-123-8'	03-00 CERAMIC 04-00 CERAMIC 75-11 ELECT	47MF 0.0047MF 0.01MF 10MF 10MF	20% 20% 20%	16V 50V 50V 50V 50V	L106 L108 L109	1-410-471-1 1-410-471-1 1-408-422-00	INDUCTOR	12UH 12UH 12OUH		
C117- 1-123-8	75-11 ELECT	10MF	20%	50V		<t1< td=""><td>RANSISTOR&gt;</td><td></td><td></td><td></td></t1<>	RANSISTOR>			
C118 1-123-8 C119 1-136-1 C120 1-102-9 C121 1-124-4	75-11 ELECT 61-00 FILM 65-00 CERAMIC	10MF 0.047MF 39PF 47MF	20% 5% 5% 20%	50V 50V 50V 16V	Q106 Q107 Q109 Q110	8-729-900-6 8-729-900-8 8-729-901-5 8-729-119-7	9 TRANSISTOR 9 TRANSISTOR R TRANSISTOR	L DTC144ES L BF199 L 2SC2785-HF		
C122 1-124-4 C123 1-101-0	04-00 CERAMIC	47MF 0.01MF	20%	16V 50V 16V	Q111	8-729-119-73 8-729-119-73	8 TRANSISTOR	2SC2785-HF	E	
C124 1-124-4 C127 1-124-4 C128 1-124-4	77-11 ELECT	47MF 47MF 47MF	20% 20% 20%	16V 16V 16V	Q112 Q113 Q114 Q115	8-729-119-7 8-729-119-7 8-729-119-7	8 TRANSISTOF 8 TRANSISTOF 8 TRANSISTOF	R 2SC2785-HF R 2SC2785-HF R 2SC2785-HF	E E	
C129 1-124-4 C130 1-126-1	OI-II ELECT	47MF 100MF	20% 20% 5%	16V 16V 50V	Q116 Q118	8-729-119-7	8 TRANSISTOR	2SC2785-HF	E	
C132 1-101-8	88-00 CERAMIC	68PF	J /m	JU 1	1 4110	0 100 110 0				

1-404-806-11 COIL 1-404-493-00 COIL

T101 T102



The components identified by shading and mark A are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque & Ne les remplacer que par une piece portant le numero specifie. 

REMARK REMARK | REF. NO. PART NO. DESCRIPTION DESCRIPTION MO. PART NO. <TUNER> <RESISTOR> TU101A 1-465-059-11 TUNER, ET (UV-616S) 1/4W 1/4W 1/4W 1/4W 1-249-429-11 1-249-429-11 10K 5% 5% 5% 5% 5% R102 CARBON R103 CARBON 10K <CRYSTAL> 47K R104 1-249-437-11 CARBON 4.7K 4.7K R105 1-249-425-11 CARBON 1/40 X101 1-527-726-00 VIBRATOR, CRYSTAL 1-249-425-11 R106 CARBON 1/4W R107 CARBON 18K 5% 5% 5% 5% 5% 1-249-432-11 1-249-441-11 1-249-429-11 1/4W 1/4W 100K R109 CARBON \*A-1330-901-A C BOARD, COMPLETE R110 CARBON 10K 3.3K 4.7K 1/4 1-249-423-11 CARBON R111 1/4W R112 1-219-425-11 CARBON \*4-379-160-01 COVER (REAR LID), CV \*4-379-167-01 COVER (MAIN), CV 4.7K 5% 5% 5% 5% 5% R113 CARBON 4-425-11 1/4W 1/4W 470 R114 R115 CARBON 100 CARBON <CAPACITOR> CARBON 10K 1/4W R118 10K 1/4W R121 1-249-429-11 50 V 50 V 50 V 1-102-978-00 220PF C701 C702 C703 1-102-976-00 1-102-976-00 1-123-875-11 180PF 1-249-428-11 1-249-431-11 1-249-431-11 1-249-431-11 8.2K 5% 5% 5% 5% 5% 1/4W CERAMIC CARBON R122 1/4W 1/4W 180PF 15K CERAMIC CARBON R123 20% 50 V 10MF R124 R125 15K C704 FIRCT CARBON CERAMIC 0.0047MF 50 V 1-101-003-00 1/4W C705 CARBON 1/4W R126 1-249-431-11 CARBON 15K C709 0.01MF 10% 630V 1-136-601-11 10% 10% 10% 20% 1-249-431-11 1-249-413-11 1-249-421-11 1-249-421-11 1/4W 1-136-601-11 0.01MF 630Y R127 15K 5% 5% 5% 5% 5% C711 CARBON 400V 2KV 1-162-622-11 1-162-116-00 CERAMIC 470 2.2K 2.2K 2.7K 1/4W 1/4W C712 330PF R128 R129 CARBON 680PF C713 CERAMIC CARBON 4.7MF 250V 1/4W C714 1-123-946-00 ELECT CARBON R130 R131 1-249-422-11 1/4W CARBON 1-102-822-00 1-102-980-00 50 V CERAMIC 5% 5% 5% 5% C715 C716 C717 50 V 1-249-422-11 1-249-422-11 1-249-413-11 1-249-405-11 2.7K 2.7K 470 270PF 5% 5% 5% 5% 5% 1/4W CERAMIC R133 CARBON 1-102-822-00 390PF 50 V CERAMIC 1/4W R134 CARBON 50 V 180PF 1/4W C718 CERAMIC R136 CARBON 10% 2K V C719 1-162-129-00 CERAMIC 150PF 100 CARBON R137 1-249-413-11 1/4W CARBON 470 R138 1-162-134-11 CERAMIC 470PF 10% 2K V C720 1/4W 5% 5% 5% 5% 5% R139 1-249-413-11 CARBON 470 1-249-418-11 1-249-413-11 1-249-413-11 1-249-416-11 1/4W 1/4W 1/4W R140 CARBON 1.2K <CONNECTOR> 470 R141 CARBON 470 R142 CARBON CNC33 \*1-564-509-11 PLUG, CONNECTOR 6P CNC71 \*1-508-786-00 PIN, CONNECTOR (5MM PITCH) 2P CNC83 \*1-508-768-00 PIN, CONNECTOR (5MM PITCH) 6P 1/4W 820 R143 CARBON 1/4W CARBON 5% 5% 5% 5% 5% R144 1-249-417-11 470 2.2K 1-249-413-11 -1-249-421-11 1/4W 1/4W R145 R146 CARBON CARBON <DIODE> 1-249-429-11 1/4₩ R147 CARBON 10K 1/4W R152 CARBON D701 8-719-911-19 DIODE ISS119 DIODE 188119 1 K 5% 5% 5% 5% 5% 1/4₩ D702 R153 1-249-417-11 CARRON R154 R155 R157 1-249-414-11 1-249-417-11 1-249-417-11 1/4W 8-719-911-19 DICDE 1SS119 560 CARBON CARBON 1 K 1/4W 1/4W CARBON 1/4W <JACK> R158 1-249-409-11 CARBON 220 1/4W 1-526-798-51 SOCKET, PICTURE TUBE 5% 5% 5% 5% J701 220 R159 1-249-409-11 CARBON 1/4W R160 R164 18 47 1-249-396-11 1-249-401-11 CARBON CARBON 1/4W 47 1/4W <COIL> 1-249-401-11 CARBON R165 R166 15K 1/4W 1-249-431-11 CARBON 1-410-478-11 INDUCTOR 47UH L707 <IF BLOCK> <TRANSISTOR> TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2611 Q701 8-729-119-78 8-729-119-78 8-729-119-78 8-729-326-11 Q702 0703 0704 <TRANSFORMER> Q705 8-729-326-11 TRANSISTOR 2SC2611

Q706

8-729-326-11 TRANSISTOR 2SC2611



REF.NO. F	PART NO.	DESCRIPTION				REMAR	K R	EF.NO.	PART NO.	DESCRIPTION			REMARK
	<resi< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>C761 C763 C764</td><td>1-106-220-00 1-124-122-11 1-126-176-11</td><td>MYLAR ELECT ELECT CERAMIC</td><td>0.1MF 100MF 220MF 0.047MF</td><td>10% 20% 20%</td><td>100V 50V 6.3V 50V</td></resi<>							C761 C763 C764	1-106-220-00 1-124-122-11 1-126-176-11	MYLAR ELECT ELECT CERAMIC	0.1MF 100MF 220MF 0.047MF	10% 20% 20%	100V 50V 6.3V 50V
R702 R703 R704	1-249-406-11 1-249-409-11 1-249-409-11 1-249-406-11 1-249-406-11	CARBON CARBON	120 220 220 120 120	5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W		i	C765 C766 C767	1-124-122-11	ELECT	100MF 0.0047MF	20% 10%	50V 50V
R706	1-249-406-11	CARBON	120 1.2K	5% 5%	1/4W 1/4W					NECTOR>			
R708 R709		CARBON CARBON CARBON	220 220 220 220	5% 5% 5% 5%	1/4W 1/4W 1/4W			CNM83 CNM85	*1-564-506-11 *1-564-507-11	PLUG, CONNEC	CTOR 3P		
		CARBON CARBON	220	5% 5%	1/4W 1/4W		1		<01		6 01111		
R713		CARBON CARBON CARBON	220 1.2K 1.2K 1.2K	5% 5% 5%	1/4W 1/4W 1/4W		1	L751 L752	1-410-468-11 1-410-482-31		100UH		
R716	1-249-418-11	CARBON	1.2K 1.2K	5% 5%	1/4W 1/4W					NSISTOR>			
R717 R718 R719 R721	1-249-418-11 1-249-426-11 1-249-426-11 1-215-923-00	CARBON CARBON CARBON METAL OXIDE	5.6K 5.6K 10K	5%	1/4W 1/4W 3W			Q751 Q752 Q753 Q754	8-729-119-78 8-729-378-84 8-729-188-23 8-729-177-22 8-729-188-23	TRANSISTUR TRANSISTOR TRANSISTOR	2SD788-5 2SD882-P 2SB772-0		
R722 R723	1-215-923-00 1-215-923-00	METAL OXIDE	10K 10K	5% 5% 5%	3₩ 3₩	F		Q755	8-729-188-23 8-729-231-60				
R724 R725 R726	1-215-923-00 1-215-923-00 1-215-923-00	METAL OXIDE METAL OXIDE METAL OXIDE	10K 10K 10K	5% 5%	3W 3W 3W	F F	1	Q756 Q757	8-729-119-78	TRANSISTUR	2SC2785-HFE		
R727	1-202-818-00 1-202-818-00	SOLID SOLID	1 K 1 K	10% 10%	1/2W -1/2W		i !			SISTOR>	220 5%	1/4W	
R728 R729 R730 R733	1-202-818-00 1-249-401-11 1-202-838-00	SOLID CARBON	1 K 47 100 K	10% 5%	1/2W 1/4W 1/2W		1	R753 R754	1-249-409-11 1-249-409-11 1-249-415-11 1-249-411-11	CARBON CARBON	220 5% 220 5% 680 5% 330 5% 560 5%	1/4W 1/4W 1/4W	F
R734 R736	1-216-349-00 1-202-842-11	METAL OXIDE SOLID	1 220K	10%	1W 1/2W	F		R755	1-216-431-11			1W 1/4W	r
R737 R738 R739	1-202-842-11 1-249-405-11 1-202-838-00	SOLID CARBON SOLID	220K 100	10% 5% 10%	1/2W 1/4W 1/2W			R756 R757 R758 R759	1-249-414-11 1-249-426-11 1-249-435-11 1-249-393-11	CARBON CARBON CARBON	5.6K 5% 33K 5% 10 5%	1/4W 1/4W 1/4W	F
R740 R741	1-202-848-00 1-202-842-11	SOLID SOLID	680K 220K	10% 10%	1/2W 1/2W			R760	1-216-449-11			2W 1/4W	F
		RIABLE RESISTO	)R>				*-	R765 R766	1-249-409-11 1-249-381-11 1-249-426-11	CARBUN	220 5% 1 5% 5.6K 5%	1/4W 1/4W	F
RV701		RES. ADJ. CA	RBON 4	70				R767 R768	1-249-417-11 1-249-426-11	CARBON	1K 5% 5.6K 5%	1 /4 W 1 /4 W	
RV702 RV703 RV704	1-228-989-00 1-228-993-00 1-228-721-00	RES, ADJ, C/ RES, ADJ, C/ RES, ADJ, CE	ARBUN 4 ARBON 4 ERAMIC	.7K CARBON	1 2,2K			R769 R771 R772	1-249-409-11 1-249-423-11 1-249-391-11	CARBON	220 5% 3.3K 5% 6.8 5% 18 5%	1/4W 1/4W 1/4W	F F
RV705	1-228-721-00	RES, ADJ, CI						R773	1-249-396-11	CARBON	18 5% 1 5%	1/4W 1/4W	F
RV706 RV707 RV708	1-230-619-11 1-230-641-11	RES. ADJ. MI	ETAL GL	AZE 11	LOM			i	**********		********	*****	. *******
	*********					*****	****		*A-1345-798-A	D BOARD, C	OMPLETE		
	*A-1342-071-A	VM BOARD, C	OMPLETE					1	*4-341-736-01	RRACVET F	nciis VR		- \
									*4-341-751-01 *4-341-752-01	EYELET (EY	1 FYZ. EYS. EY	E112, III	3,EY14,
		PACITOR>	100PF	,	5%	507			< r A	PACITOR>	6111,6110,61	17/	
C751 C752 C754	1-102-973-00 1-130-474-00 1-126-101-11	MYLAR	0.001 100M	ISMF	5% 20%	50V 16V		C501	1-124-122-11	ELECT	100MF	201	50V
C756 C758	1-130-483-00 1-130-483-00	MYLAR	0.011	(F	5% 5%	50V 50V		C503	1-102-123-00 1-124-120-11	CERAMIC ELECT	0.0033MF 220MF 0.47MF	10; 20; 20;	50V 25V 50V
C760	1-124-925-11		2.2M	2	20%	50 <b>V</b>		C505	1-124-902-00 1-102-112-00	CERAMIC	330PF	10	50 v



The components identified by shading and mark  $\Delta$  are critical for safety.

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REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
						1-130-660-11			3%	1.6KV
C507 1-136-169-00 C508 1-130-492-11 C509 1-126-101-11 C510 1-106-367-00 C512 1-130-475-00	MYLAR ELECT MYLAR MYLAR	0.056MF 100MF 0.01MF 0.0022MF	5% 20% 10% 5%	50V 16V 100V 50V	C828 C829 C830 C831	1-136-126-00 1-106-351-00 1-136-598-11 1-130-797-11 1-106-395-00	FILM MYLAR FILM FILM	0.82MF 0.0022MF 3MF 0.68MF	5% 5% 10%	400V 200V 200V 250V
C513 1-124-791-11 C515 1-102-116-00 C516 1-124-791-11 C517 1-124-902-00 C518 1-136-175-00	ELECT CERAMIC ELECT ELECT FILM	1MF 680PF 1MF 0.47MF 0.68MF	20% 10% 20% 20% 5%	50V 50V 50V 50V	C832 C834 C835 C836 C837	1-106-395-00 1-124-637-11 1-102-030-00 1-102-030-00 1-124-480-95 1-106-367-00	MYLAR ELECT CERAMIC CERAMIC	0.15MF 1000MF 330PF 330PF 470MF	10% 20% 10% 10% 20%	200V 50V 500V 500V 25V
C519 1-124-637-11 C520 1-124-912-95 C521 1-106-391-12 C522 1-106-381-12 C523 1-106-387-00	ELECT ELECT MYLAR MYLAR MYLAR	1000MF 330MF 0.1MF 0.039MF 0.068MF	20% 20% 10% 10% 10%	50V 50V 200V 200V 200V	C838 C839 C840 C841 C842	1-124-929-11 1-162-114-00 1-106-383-00 1-130-483-00 1-130-479-00	MYLAR ELECT CERAMIC MYLAR MYLAR	0.01MF 22MF 0.0047MF 0.047MF 0.01MF	10% 20% 10% 5%	200V 100V 2KV 200V 50V
C524 1-123-268-11 C525 1-102-820-00 C526 1-123-875-11 C527 1-102-978-00 C528 1-124-477-11	ELECT CERAMIC ELECT CERAMIC ELECT	3.3MF 330PF 10MF 220PF 47MF	20% 5% 20% 5% 20%	164	C844 C845 C846 C847	1-124-910-11 1-126-233-11 1-101-810-00 1-162-318-11	ELECT ELECT CERAMIC	47MF 22MF 100PF	20% 20% 5% 10%	50 V 50 V 50 V 50 0 V 50 0 V
	CERAMIC MYLAR ELECT			50V 200V 500V 50V 50V	C849	1-130-485-00 1-102-030-00 1-124-791-11 1-130-484-00 1-106-351-00 1-106-343-00	MYLAR	U.015MF	5%	50 V 50 V 50 V 50 V 100 V
C542 1-106-220-00 C543 1-106-375-12 C544 1-102-244-00 C545 1-124-925-11 C546 1-123-875-11	MYLAR MYLAR CERAMIC ELECT ELECT	0.1MF 0.022MF 220PF 2.2MF 10MF	10% 10% 20% 20%	100V 100V 500V 50V 50V	C864 C865 C866 C867 C868	1-106-343-00 1-124-910-11 1-106-379-12 1-124-902-00 1-106-383-00 1-106-375-12	MYLAR ELECT MYLAR ELECT MYLAR	0.001MF 47MF 0.033MF 0.47MF 0.047MF	20% 10% 20% 10%	100V 50V 200V 50V 100V
C547 l-130-728-00 C548 l-102-820-00 C549 l-124-122-11 C551 l-124-122-11 C552 l-124-464-11	FILM CERAMIC ELECT ELECT ELECT	0.0022MF. 330PF 100MF 100MF 0.22MF	5% 5% 20% 20% 20%	50V 50V 50V 50V 50V	 	<com< td=""><td>INECTOR&gt;</td><td></td><td>10%</td><td>200V</td></com<>	INECTOR>		10%	200V
C553 1-126-101-11 C554 1-124-927-11 C556 1-123-875-11 C557 1-126-101-11 C558 1-123-875-11	ELECT ELECT ELECT	100MF 4.7MF 10MF 100MF 10MF	20% 20% 20% 20% 20%	16V 50V 50V 16V 50V	CND81 CND82 CND83	*1-508-767-00 *1-564-513-11 *1-508-767-00 *1-508-768-00 *1-565-952-11	PIN, CONNEC PIN, CONNEC	TOR (5MM PI TOR (5MM PI TOR (5MM PI	rch) 5P rch) 6P	
	MYLAR CERAMIC MYLAR ELECT	0.0033MF 330PF 0.01MF		50V 50V 50V 50V 50V	CND85 CND86 CND87 CND88 CND89	*1-565-952-11 *1-564-507-11 *1-508-786-00 *1-508-784-00 *1-508-784-00 *1-564-508-11	PLUG, CONNE PIN, CONNEC PIN, CONNEC PIN, CONNEC PLUG, CONNE	CTOR 4P TOR (5MM PI' TOR (5MM PI' TOR (5MM PI' CTOR 5P	TCH) 2P TCH) 1P TCH) 1P	·
C803 1-124-791-11	ELECT	1MF	20%	50V 50V	1	<010	DE>			
C804 1-124-910-11 C805 1-106-343-00 C806 1-124-122-11 C807 1-130-495-00	MYLAR ELECT	47MF 0.001MF 100MF 0.1MF	20% 10% 20% 5%	200V 50V 50V	D502 D503 D505 D506	8-719-109-75 8-719-911-19 8-719-911-55 8-719-911-55	DIODE 18811 DIODE U05G DIODE U05G	ES-B2 9		
C808 1-124-791-11 C809 1-130-471-00 C810 1-126-101-11 C814 1-162-134-11 C815 1-124-927-11	MYLAR ELECT CERAMIC	1MF 0.001MF 100MF 470PF 4.7MF	20% 5% 20% 10% 20%	50V 50V 16V 2KV 50V	D507 D508 D509 D510 D511	8-719-911-55 8-719-911-55 8-719-911-55 8-719-911-55 8-719-911-19	DIODE UOSG DIODE UOSG DIODE UOSG DIODE UOSG DIODE ISSI1	9		•
C816 1-123-024-21 C817 1-125-319-00 C819 1-102-212-00 C820 1-106-383-00 C822 1-162-116-51	ELECT (BLOCK) CERAMIC MYLAR	33MF 330MF 820PF 0.047MF 680PF	20% 10% 10% 10%	160V 160V 500V 200V 2KV	D513 D514 D515 D516 D801	8-719-911-19 8-719-911-19 8-719-911-55 8-719-911-19 8-719-911-19	DIODE 1SS11 DIODE 1SS11 DIODE UOSG	9 9 9		
C823	MYLAR CERAMIC	680PF 0.0012MF 330PF 0.056MF	10% 10% 5%	2KV 200V 500V 630V	D802 D803 D805	8-719-911-19 8-719-911-19 8-719-911-19	DIODE 18811 DIODE 18811	9 9		

The components identified by shading and mark ⚠ are critical for safety.
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			accompanies.							
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
D806 D807	8-719-911-19 8-719-300-33	DIODE 1SS119 DIODE RU-3AM		Q801 Q802	8-729-119-78 8-729-119-78	TRANSISTOR 2S TRANSISTOR 2S	С2785-Н С2785-Н	FE FE		
D808	8-719-971-09 4-377-115-01 *4-391-704-01	DIODE ERDUS-15 SPACER, MICA; D808 HOLDER (A), TR; D808		Q803 Q804 Q805	8-729-378-84 8-729-208-72 8-729-119-80	TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25	SD788-5 SC3298B- SC2688-L	Y .K		
D809 D810	8-719-971-08 8-719-911-55	DIODE ESAC39M-06C DIODE U05G		0806	8-729-820-96 4-370-507-11	TRANSISTOR 25 SPACER (A), 1	SC3996CA MICA; Q8	106		
D811 D812 D813	8-719-911-55 8-719-300-33 8-719-971-20	DESCRIPTION  DIODE ISSI19 DIODE RU-3AM DIODE ERDO8-15 SPACER, MICA; D808 HOLDER (A), TR; D808  DIODE ESAC39M-06C DIODE U05G DIODE U05G DIODE RU-3AM DIODE ERC38-06  DIODE RU-3AM DIODE ESSIF DIODE ISSI19 DIODE ISSI19 DIODE RU-3AM DIODE U05G  DIODE U05G  DIODE U05G  DIODE U05G		Q860 Q861	*4-391-705-01 8-729-195-82 8-729-122-03	HOLDER (B), TRANSISTOR 2: TRANSISTOR 2:	TR; 0806 SC2958-1 SA1220A-	-P		
D815 D816	8-719-300-33 8-719-300-65	DIODE RU-3AM DIODE ES1F DIODE 155119		Q862 Q5001	8-729-173-38 8-729-900-89	TRANSISTOR 25	TC144ES			
D825 D860	8-719-300-33 8-719-911-55	DIODE RU-3AM DIODE U05G	-	Q5002 Q5004 Q5005	8-729-900-89 8-729-900-89 8-729-900-89	TRANSISTOR D TRANSISTOR D TRANSISTOR D	TC144ES TC144ES TC144ES			
D861 D862	8-719-911-55 8-719-931-05	DIODE UOSG DIODE EQB01-05			<8E5	SISTOR>				
	<10>	,		R503 R504	1-215-461-00 1-249-417-11	METAL CARBON	47K 1K	1% 5%	1/6W 1/4W 1/4W	
1.0503	8-759-100-60 8-759-982-26 8-759-942-16	IC UPC1377C IC RC78L12A IC TEA2031A		R505 R506 R507	1-249-437-11 1-249-421-11 1-212-857-61	CARBON CARBON FUSIBLE	2.2K 10	5% 5%	1/4W 1/4W	F
1.080.2	8-759-945-58 8-759-982-30	IC RC4558P IC RC78L24A		R508 R509	1-215-484-00 1-249-428-11	METAL CARBON	430K 8.2K	1% 5%	1/6W 1/4W 1/6W	
	<00	IL> -		R511 R512	1-215-451-00 1-249-421-11 1-249-429-11	CARBON CARBON	2.2K 10K	5% 5%	1/4W 1/4W	
L801 L803 L804	1-459-474-11 1-408-228-21 1-459-104-00	COIL (WITH CORE) INDUCTOR 560UH COIL, DUST CORE		R513 R515	1-215-469-00	METAL METAL	100K 12K 18K	1% 1% 1%	1/6W 1/6W 1/6W	
L805 L806	1-459-194-00 1-410-396-41	COIL (WITH CORE) FERRITE BEAD INDUCTOR		R518 R519	1-249-425-11 1-202-723-00	CARBON SOLID	4.7K 2.2M	5% 10%	1/4W 1/2W	
L807 L808 L809	1-459-485-00 1-410-674-31 1-459-104-00	IC UPC1377C IC RC78L12A IC TEA2031A IC RC4558P IC RC78L24A  IL>  COIL (WITH CORE) INDUCTOR 560UH COIL, DUST CORE COIL (WITH CORE) FERRITE BEAD INDUCTOR  COIL, CHOKE INDUCTOR 82UH COIL, DUST CORE COIL, DUST CORE COIL, AIR-CORE, QF TYPE INDUCTOR 33MMH  TRANSFORMER, DYNAMIC CONVERSION COIL (WITH CORE)		R520 R521 R522	1-249-429-11 1-249-423-11 1-249-413-11	CARBON CARBON CARBON	10K 3.3K 470	5% 5% 5%	1/4W 1/4W 1/4W	
L810 L860	1-425-613-00	INDUCTOR 33MMH		R523 R524	1-249-418-11 1-249-417-11	CARBON CARBON	1.2K 1K	5% 5%	1/4W 1/4W	
L861 L862	1-443-012-00 1-459-105-21	TRANSFORMER, DYNAMIC CONVERSION COIL (WITH CORE)		R525 R526 R527	1-249-417-11 1-215-878-00 1-249-405-11	CARBON METAL OXIDE CARBON	1K 33K 100 2.2M 3.9K	5% 5% 5%	1/4W 1W 1/4W	F
	<ne< td=""><td>ON LAMP&gt;</td><td></td><td>R528 R529</td><td>1-249-749-00 1-249-424-11</td><td>CARBON CARBON</td><td></td><td></td><td>1/4W 1/4W</td><td></td></ne<>	ON LAMP>		R528 R529	1-249-749-00 1-249-424-11	CARBON CARBON			1/4W 1/4W	
NL801	1 1-519-108-99			R530 R531 R532	1-249-429-11 1-249-427-11 1-202-731-00	CARBON	10K 6.8K 10M	107	1/4W 1/4W 1/2W	
PS80		CLINK> LINK, IC (ICP-N10) 0.4A		R533 R534	1-215-453-00 1-215-459-00	METAL METAL	22K 39K	17	1/6W 1/6W	
	<tf< td=""><td>RANSISTOR&gt;</td><td></td><td>R535 R536 R537</td><td>1-216-457-00 1-215-444-00 1-249-415-1</td><td>METAL OXIDE METAL CARBON</td><td>680</td><td>5% 1% 5% 5%</td><td>2W 1/W 1/W</td><td>F</td></tf<>	RANSISTOR>		R535 R536 R537	1-216-457-00 1-215-444-00 1-249-415-1	METAL OXIDE METAL CARBON	680	5% 1% 5% 5%	2W 1/W 1/W	F
0502 0504	8-729-173-38 8-729-119-78	TRANSISTOR 2SA733-K TRANSISTOR 2SC2785-HFE		R538 R539	1-249-413-11 1-249-416-11	CARBON CARBON	470 820		1/W 1/W	
Q505 Q506 Q507	8-729-119-78 8-729-173-38 8-729-140-96	TRANSISTOR 2SA733-K TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR 2SA733-K TRANSISTOR 2SD774-34 TRANSISTOR 2SB734-34		R540 R541 R542	1-216-351-00 1-215-916-00 1-215-863-1	) METAL OXIDE   METAL OXIDE	680 100	5% 5% 5%	1 W 3 W 1 W	-
Q508 Q509	8-729-320-2	7 TRANSISTOR 2SC4381		R543 R544	1-215-890-1 1-215-859-0	METAL OXIDE	22	5% 5%	2W 1W	F
Q510 Q511 Q512	8-729-173-38	TRANSISTOR 2SC2958-L TRANSISTOR 2SA733-K		R545 R546 R547	1-249-415-1 1-249-385-1	L CARBUN L CARBON	680 680 2.2	5% 5% 5% 5%	1/W 1/W 1/W	T.
Q513 Q514 Q515	8-729-119-76 8-729-119-76 8-729-900-86	TRANSISTOR 2SC2785-HFE TRANSISTOR 2SC2785-HFE TRANSISTOR DTC144ES		! R548	▲ 1-212-936-6 ▲ 1-212-936-6	I FUSIBLE	1.2	5% 5%	1/1W 1/1W	F F
4010	5 .=, , , , , ,									



The components identified by shading and mark are critical for safety.

Replace only with part number

specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
R550 1-216-478-11 R552 41-212-889-61 R553 41-212-936-61 R554 1-215-869-11 R555 1-216-454-11	FUSIBLE 2 FUSIBLE 1 METAL OXIDE 1	390 5 220 5 1.2 5	5% 3W 5% 1/4W 5% 1/2W 5% 1W 5% 2W	F F F	R826 R827 R828 R829	1-249-426-11 1-249-429-11 1-249-441-11 1-249-426-11	CARBON CARBON CARBON CARBON	5.6K 10K 100K 5.6K 10K	5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W	
R556 1-216-454-11 R557 1-247-901-11 R558 1-249-429-11 R559 1-249-429-11 R560 1-247-903-00	CARBON 8 CARBON 1 CARBON 1	10K 5	5% 2W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W	F	R831 R834 R835 R836 R837	1-247-895-00  1-249-495-11 1-249-470-11 1-216-345-11 1-216-345-11 1-215-905-11 1-215-920-11 1-215-920-11 1-215-896-00  1-247-727-11 1-215-868-00 1-216-449-11 1-216-450-00 1-216-450-00 1-216-450-00 1-216-357-00 1-249-397-11 1-249-411-11 1-247-887-00 1-249-341-11 1-247-889-00 1-215-881-11 1-249-411-11 1-249-411-11 1-249-411-11 1-249-411-11 1-249-411-11 1-249-411-11 1-249-411-11 1-215-906-11	CARBON CARBON CARBON METAL OXIDE METAL OXIDE	470K 82K 0.47 0.47 10 1.8K	57 57 57 57 57 57	1/4W 1/2W 1/2W 1W 3W	F
R561 1-249-423-11 R568 1-249-434-11 R569 1-249-440-11 R570 1-249-417-11 R571 1-249-437-11		3.3K 5 27K 5 82K 5 1K 5 47K 5	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R838 R839 R841 R842 R843	1-216-434-11 1-247-761-11 1-215-920-11 1-215-920-11 1-216-480-11	CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE	5.6K 3.3K 3.3K 820		1W 1/2W 3W 3W 3W	1 1 1
R572 1-249-421-11 R573 1-249-411-11 R574 1-249-417-11 R575 1-249-417-11 R576 1-249-440-11	CARBON CARBON CARBON CARBON CARBON	330 5 1K 5 1K 5 82K 5	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R846 R847 R848 R849	1-215-896-00 1-247-727-11 1-215-868-00 1-216-449-11 1-216-450-00	CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE	4.7K 10 680 56 82 82	5% 5% 5% 5% 5% 5% 5%	2W 1/2W 1W 2W 2W 2W	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R577 1-249-423-11 R578 1-249-433-11 R579 1-249-433-11 R580 1-249-430-11 R581 1-215-449-00 R582 1-214-757-00	CARBON CARBON CARBON METAL	3.3K 5 22K 5 22K 5 12K 5 15K 1	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 1% 1/6W		R851 R853 R854 R856	1-216-357-00 1-249-397-11 1-249-441-11 1-247-725-11	METAL OXIDE METAL OXIDE CARBON CARBON CARBON CARBON	4.7	5% 5% 5% 5% 5% 5% 5% 5% 5%	2W 1W 1/4W 1/4W 1/4W 1/4W	F F
R582 1-214-757-00 R583 1-215-421-00 R584 1-249-405-11 R586 1-249-428-11 R587 1-249-429-11 R588 1-249-427-11	METAL CARBON CARBON SCARBON CARBON CARBON	1K 1 100 5 8.2K 5 10K 5	1% 1/4W 1% 1/6W 5% 1/4W 5% 1/4W 5% 1/4W		R858 R861 R862 R863	1-247-891-00 1-247-887-00 1-249-436-11 1-247-889-00	CARBON CARBON CARBON CARBON FUSIBLE	330K 220K 39K 270K 5.6	5% 5% 5% 5% 5% 5%	1/4W 1/4W 1/4W 1/4W 1/4W 1/2W	F
R588 1-249-429-11 R590 1-249-417-11 R591 1-249-417-11 R592 1-247-883-00 R593 1-249-429-11	CARBON 1 CARBON 1 CARBON 1 CARBON 1	10K 5	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R865 R867 R868 R869	1-215-881-11 1-249-411-11 1-249-423-11 1-249-411-11	METAL OXIDE CARBON CARBON CARBON METAL OXIDE		5% 5% 5% 5%	2W 1/4W 1/4W 1/4W 3W	F
R594 1-249-429-11 R595 1-249-427-11 R596 1-249-423-11 R597 1-249-423-11	CARBON CARBON CARBON CARBON	10K 5 6.8K 5 3.3K 5 3.3K 5	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		R872 R873 R874 R875	1-249-421-11 1-249-411-11 1-249-411-11 1-215-906-11 1-216-480-11 1-249-425-11 1-249-437-11 1-249-429-11 1-249-429-11 1-249-429-11 1-249-429-11 1-215-894-11 <var 1-230-504-11 1-228-994-00 1-228-995-00</var 	METAL OXIDE CARBON CARBON CARBON	820 4.7K 47K	5% 5% 5% 5% 5%	3W 1/4W 1/4W 1/4W	F
R598 1-249-437-11 R599 1-249-429-11 R801 1-249-417-11 R802 1-249-429-11 R803 1-249-428-11	CARBON 1 CARBON 1 CARBON 1 CARBON 8	47K 5 10K 5 1K 5 10K 5 8.2K 5	54 1/4W 52 1/4W 52 1/4W 52 1/4W		R5001 R5003 R5006 R5010	1-249-421-11 1-249-421-11 1-249-429-11 1-215-894-11	CARBON CARBON METAL OXIDE	2.2K	5% 5%	1/4W 1/4W 1/4W 2W	F
R804 1-249-434-11 R805 1-247-895-00 R806 1-249-417-11 R807 1-249-435-11 R808 1-249-433-11	CARBON 4 CARBON 1 CARBON 3	27K 5 470K 5 1K 5 33K 5 22K 5	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		RV501 RV502 RV503	<pre><var 1-228-994-00="" 1-228-995-00<="" 1-230-504-11="" pre=""></var></pre>	RES. ADJ. CAR RES. ADJ. CAR RES. ADJ. CAR RES. ADJ. CAR	BON 220 BON 10k	(		
R809 1-249-431-11 R810 1-249-425-11 R811 1-249-421-11 R812 1-249-432-11 R813 1-247-883-00	CARBON 4 CARBON 2 CARBON 1	15K 5 4.7K 5 2.2K 5	5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		RV504 RV505 RV506 RV507 RV801	1-226-702-00 1-228-994-00 1-228-991-00 1-228-991-00 1-228-991-00	RES, ADJ, MET RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CAR	AL GLAZ AL GLAZ BON 2.2 BON 2.2	E 2.21 E 10K K	(	
R815 1-249-440-11 R816 1-249-433-11 R817 1-249-417-11 R819 1-249-439-11 R820 1-249-439-11	CARBON 2 CARBON 1 CARBON 6	82K 5 22K 5 1K 5 88K 5 68K 5	1/4W 5% 1/4W 5% 1/4W 5% 1/4W 5% 1/4W		RV802 RV803 RV804	1-228-999-00 1-228-999-00 1-228-994-00 1-228-995-00	RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CAR	BON 470 BON 470 BON 10K	K		
R822 1-249-429-11 R823 1-215-917-11 R824 1-249-417-11 R825 1-215-900-11	METAL OXIDE I CARBON 1	10K 5: 1K 5: 1K 5: 22K 5:	1/4W	F	SG801	<spai 1-519-063-99</spai 	RK GAP> DISCHARGING GA	AP			

The components identified by shading and mark  $\triangle$  are critical for safety.

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Ne les remplacer que par une piece com Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO. DI			R	EMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
CTD ANCE	กรพรร>			 	C204 C206 C208	1-124-902-00 1-124-791-11 1-102-110-00	ELECT ELECT	0.47MF 1MF 220PF	20% 20% 10%	50V 50V 50V
T801 1-437-090-00 HD T802 1-424-168-11 TR T803 \( \Delta \) 1-459-919-11 TR T804 1-413-059-00 TR	T LANSFORMER, PI LANSFORMER LANSFORMER, FE	N MODULATION RRITE (DFT)			C213 C214 C216 C217 C218	1-126-233-11 1-130-481-00 1-102-110-00 1-124-902-00 1-130-487-00	ELECT Mylar	22MF 0.0068MF 220PF 0.47MF 0.022MF	20% 5% 10% 20% 5%	50V 50V 50V 50V 50V
*1-627-728-11 H ***  *4-390-706-01 HG <conneg *1-564-520-11="" *1-564-523-11="" 8-719-812-41="" cic="" cnh01="" cnh02="" cnh03="" d="" d1004="" d1005="" pi="">  IC1001 8-749-900-36 I  <switc 1-554-937-11="" s="" s1001="" s1002="" s1003="" s1004="" s1005="" s<="" td=""><td>BOARD  ***********************************</td><td>************</td><td>*****</td><td>******</td><td>C219 C220 C221 C222 C223</td><td>1-130-487-00 1-130-477-00 1-130-477-00 1-130-492-11 1-130-492-11</td><td>MYLAR MYLAR MYLAR MYLAR MYLAR</td><td>0.022MF 0.0033MF 0.0033MF 0.056MF 0.056MF</td><td>5% 5% 5% 5%</td><td>50V 50V 50V 50V</td></switc></conneg>	BOARD  ***********************************	************	*****	******	C219 C220 C221 C222 C223	1-130-487-00 1-130-477-00 1-130-477-00 1-130-492-11 1-130-492-11	MYLAR MYLAR MYLAR MYLAR MYLAR	0.022MF 0.0033MF 0.0033MF 0.056MF 0.056MF	5% 5% 5% 5%	50V 50V 50V 50V
<pre>&lt; CONNEC  CNHO1 *1-564-523-11 PI CNHO2 *1-564-520-11 PI </pre>	CTOR> LUG, CONNECTO	R 8P R 5P			C224 C225 C226 C227 C228	1-130-483-00 1-136-173-00 1-136-173-00 1-130-487-00 1-130-489-00	MYLAR FILM FILM MYLAR MYLAR	0.01MF 0.47MF 0.47MF 0.022MF 0.033MF	5% 5% 5% 5%	50V 50V 50V 50V 50V
<pre>CHIO2 41 304 320 11</pre>	> IODE TLUR144				C229 C230 C231 C232 C233	1-130-485-00 1-130-485-00 1-124-902-00 1-123-875-11 1-102-114-00	MYLAR MYLAR ELECT ELECT CERAMIC	0.015MF 0.015MF 0.47MF 10MF 470PF	5% 5% 20% 20% 10%	50V 50V 50V 50V 50V
D1003 8-719-812-41 D D1004 8-719-812-41 D D1005 8-719-812-41 D	DIODE TLR124 DIODE TLR124 DIODE TLR124				C234 C236 C237 C238 C239	1-102-114-00 1-124-902-00 1-124-902-00 1-102-978-00 1-126-103-11	CERAMIC ELECT ELECT CERAMIC ELECT	470PF 0.47MF 0.47MF 220PF 470MF	10% 20% 20% 5% 20%	50V 50V 50V - 50V 16V
IC1001 8-749-900-36 I	IC BX-1393 CH>				C240 C1401 C1402 C1403 C1404	1-130-481-00 1-123-875-11 1-126-103-11 1-102-114-00 1-124-902-00	MYLAR ELECT ELECT CERAMIC ELECT	10MF 470MF 470PF	5% 20% 20% 10% 20%	50V 50V 16V 50V 50V
\$1001 1-554-937-11 \$1002 1-554-937-11 \$1003 1-554-937-11 \$1004 1-554-937-11 \$1005 1-554-937-11	SWITCH, KEY BO SWITCH, KEY BO SWITCH, KEY BO SWITCH, KEY BO SWITCH, KEY BO	DARD DARD DARD DARD DARD			C1405 C1406 C1407 C1408 C1409	1-101-003-00 1-124-902-00 1-123-875-11 1-126-101-11 1-126-233-11	CERAMIC ELECT ELECT ELECT ELECT	0.0047MF 0.47MF 10MF 100MF 22MF	20% 20% 20% 20%	50V 50V 50V 16V 50V
*1-627-736-11		·	::::**	******	C1412 C1413 C1414	1-124-477-1 1-124-477-1 1-123-875-1 1-124-902-00 1-124-902-00	ELECT ELECT ELECT	47MF 47MF 10MF 0.47MF 0.47MF	20% 20% 20% 20% 20%	16V 16V 50V 50V 50V
<conn CNJ23 *1-564-523-11 <jack< td=""><td></td><td>OR 8P</td><td></td><td></td><td>C1417 C1418 C1419 C1421 C1421</td><td>1-102-114-0 1-102-114-0 1-124-477-1</td><td>CERAMIC CERAMIC LELECT</td><td>47MF 470PF 470PF 47MF 0.022MF</td><td>20% 10% 10% 20% 5%</td><td>16V 50V 50V 16V 50V</td></jack<></conn 		OR 8P			C1417 C1418 C1419 C1421 C1421	1-102-114-0 1-102-114-0 1-124-477-1	CERAMIC CERAMIC LELECT	47MF 470PF 470PF 47MF 0.022MF	20% 10% 10% 20% 5%	16V 50V 50V 16V 50V
J1499 1-507-806-00					C1424 C1425 C1426 C1427 C1427	5 1-124-902-0 6 1-124-902-0 7 1-101-003-0	O ELECT O ELECT O CERAMIC	0.022MF 0.47MF 0.47MF 0.0047MF 0.0047MF	5% 20% 20%	50V 50V 50V 50V ,50V
R1498 1-247-708-11 R1499 1-247-708-11	CARBON	470 5% 470 5%	1/4W 1/4W ******	******	C1429 C1430 * C143	0 1-102-114-0 1 1-124-902-0	O CERAMIC O ELECT	0.0047MF 470PF 0.47MF 0.47MF	10% 10% 20% 20%	50V 50V 50V 50V
*A-1388-080-A	J1 BOARD, COP	IPLETE *****			C143		1 ELECT	100MF 10MF	20% 20%	16V 50V
<cap <="" td=""><td>ACITOR&gt; .</td><td>-</td><td></td><td></td><td></td><td>&lt;0</td><td>ONNECTOR&gt;</td><td></td><td></td><td></td></cap>	ACITOR> .	-				<0	ONNECTOR>			
C202 1-124-902-00 C203 1-124-791-11	ELECT ELECT	0.47MF 1MF	20% 20%	50V 50V	CNJO	1 1-561-534-4	1 SOCKET 21F	•		



REF.NU. PART NO.	DES N		REMARK	REF.NO.	PART NO.	DESCRIPTION				REMARK
				D001	1-249-417-11	CARBON		5%	1/4W	
CNJO4 1-536-996-	11 TERMINAL BOA	RD, INPUT/OUT	TUPT	R222 R223	1-249-417-11 1-249-413-11	CARBON CARBON	1K 470	5% 5%	1/4W 1/4W	
CNJ02 1-561-534- CNJ03 *1-566-641- CNJ04 1-536-996- CNJ05 *1-560-721- CNJ21 *1-566-641-	11 CONNECTOR, H	INGE (TAB) 1	3P	R224 R225	1-249-413-11 1-249-393-11	CADDOM	470 10	5% 5% 5%		F
D201 8-719-110- D202 8-719-110- D1401 8-719-110- D1403 8-719-110- D1404 8-719-110- D1405 8-719-110- D1406 8-719-110- D1407 8-719-110- D1408 8-719-110- D1418 8-719-110- D1418 8-719-110- D1419 8-719-110- D1421 8-719-110- D1422 8-719-110- D1423 8-719-110- D1425 8-719-110- D1426 8-759-013 IC1401 8-759-013 IC1401 8-759-032 IC1402 8-759-946  L1401 1-459-407	D10DE>			R226	1-249-413-11	CARBON CARBON CARBON	470 1K		1/4W 1/4W	
D201 8-719-110-	14 DIODE RD9.1E	S-B3 S-B3		R228 R229	1-249-417-11 1-249-437-11	CARBON CARBON	47K	5% 5% 5% 5%	1/4W 1/4W	
D1401 8-719-110- D1403 8-719-110-	04 DIODE RD7.5E 04 DIODE RD7.5E	S-B3 S-B3		R231 R232	1-249-409-11 1-249-409-11	CARBON CARBON	220 220	5%	1/4W 1/4W	
D1404 8-719-110-	O4 DIODE RD7.5E	S-83		R1401	1-247-804-11	CARBON CARBON CARBON	75 75	5% 5%	1/4W 1/4W	
D1405 8-719-110- D1406 8-719-110-	-04 DIODE RD7.5E	S-B3 S-B3		R1403 R1404	1-249-437-11	CARBON CARBON	4/0	5% 5% 5%	1/4W 1/4W	
D1408 8-719-110- D1409 8-719-110-	-14 DIODE RD9.1E -04 DIODE RD7.5E	S-B3 S-B3		R1405	1-249-429-11	CARBON	10K 6.8K	5%	1/4W 1/4W	
D1418 8-719-110-	O4 DIODE RD7.5E	S-B3		R1406	1-247-895-00	CARBON CARBON	470K 27K	5%	1/4W 1/4W	
D1419 8-719-110- D1421 8-719-110-	-04 DIODE RD7.5E	S-B3 S-R3		R1409 R1410	1-249-413-11	CARBON CARBON CARBON	470 27K	5% 5% 5%	1/4W 1/4W	
D1423 8-719-110-	-04 DIODE RD7.5E	S-B3		R1411	1-249-413-11	CARBON	470	5%	1/4W	
D1425 8-719-110-	-04 DIODE RD7.5E	:S-B3		R1412 R1413	1-249-437-11	CARBON CARBON CARBON CARBON	47K 470K 47K	5% 5% 5% 5%	1/4W 1/4W 1/4W	. •
	<1C>			R1414	1-249-434-11	CARBON	27K	5%	1/4W	
10201 8-759-013	-17 IC TDA6200			R1416 R1417	1-249-434-11 1-247-804-11	CARBON CARBON CARBON CARBON CARBON	27K 75	5% 5%	1/4W 1/4W	
IC1402 8-759-946	-32 IC TEA2014A			R1418	1-247-738-11 1-249-409-11	CARBON CARBON	82 220 220	5% 5% 5% 5% 5%	1/2₩ 1/4₩ 1/4₩	
	<c01l></c01l>			R1420	1-249-409-11	CARBON	220		1/4W	
L1401 1-459-407	-00 COIL, FERRIT	E CHOKE		R1422 R1423	1-249-409-11	CARBON CARBON	220 27K	5% 5% 5% 5%	1/4W 1/4W	
1 402 1 435 401	00 0012, 10887			R1424 R1425	1-249-434-11 1-249-409-11	CARBON CARBON	27K 220	5% 5%	1/4W 1/4W	
	<pre><transistor> -38  TRANSISTOR</transistor></pre>	04833 V		R1426	1-249-416-11	CARBON	820 820	5% 5%	1/4W 1/4W	
0201 8-729-173 0202 3-729-173	-38 TRANSISTUR 7	25A733-K 25A733-K 25A733-V		R1428	1-247-895-00	CARBON CARBON	820 820 470K 470K 75		1/4W 1/4W	
Q1401 8-729-173 Q1402 8-729-173 Q1405 8-729-173	-38 TRANSISTOR (	2SA733-K 2SA733-K		R1430	1-247-804-11	CARBON .			1/4W	
Q1403 6 127 113	70 141111010101			R1433 R1434	1-249-405-11 1-249-393-11	CARBON CARBON	100	5% 5% 5% 5%		F
	<kesisiuk></kesisiuk>			R1438	1-249-427-11	CILILOUN	10K 6.8K 1K	5% 5%	1/4W 1/4W 1/4W	
R201 1-249-437 R202 1-249-425	-11 CARBON	47K 5% 4.7K 5% 33K 5%	1/4W 1/4W 1/4W	R1440 R1442			47K		1/4W	
R204 1-249-435 R205 1-249-435 R206 1-249-423	-11 CARBON	33K 5% 3.3K 5%	1/4W 1/4W	R1443 R1445	1-249-437-11	CARBON CARBON	47K 82K	5% 5% 5%	1/4W 1/4W	
R207 1-249-423	•	3.3K 5%	1/4W	R1447 R1448		CARBON CARBON	220 220	5% 5% 5%	1/4₩ 1/4₩	
R208 1-249-431 R209 1-249-433	-11 CARBON	15K 5% 22K 5%	1/4W 1/4W		1-247-804-11 1-247-804-11	CARBON CARBON	75 75 75	5% 5%	1/4W 1/4W	
R210 1-249-431 R211 1-249-441		15K 5% 100K 5%	1/4W 1/4W	R1451			75 75	·5%	1/4W 1/4W	
R212 1-249-433 R213 1-249-431		22K 5% 15K 5%	1/4W 1/4W	R1456	1-249-409-11	CARBON	220	5% 5%	1/4W	
R214 1-249-409 R215 1-249-433	-11 CARBON -11 CARBON	220 5% 22K 5%	1/4W 1/4W		1-249-409-11 1-249-413-11		220 470	5% 5%	1/4W 1/4W	
R216 1-249-433	-11 CARBON		1/4W 1/4W	*****	**********	***********	*****	*****	:::::	*******
R217 1-249-431 R218 1-249-409 R219 1-249-429	-11 CARBON	15K 5% 220 5% 10K 5%	1/4W 1/4W 1/4W		*A-1645-009-A	V BOARD, COM	ETE *****			
R219 1-249-429 R220 1-249-425		4.7K 5%	1/4W	i						

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite.
Ne les remplacer que par une piece portant le numero specifie.



REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
	*4-380-698-01	CASE (MAIN),	SHIELD, Al				<c01< td=""><td>L&gt;</td><td></td><td></td></c01<>	L>		
	<capa< td=""><td>CITOR&gt;</td><td></td><td></td><td></td><td>L01 L04</td><td>1-408-411-00 1-408-407-00</td><td>INDUCTOR INDUCTOR</td><td>15UH 6.8UH</td><td></td></capa<>	CITOR>				L01 L04	1-408-411-00 1-408-407-00	INDUCTOR INDUCTOR	15UH 6.8UH	
C02 C03	1-124-120-11 1-124-119-00 1-126-101-11	ELECT ELECT	220MF 330MF 100MF	20% 20% 20%	16V 16V 16V	1.05	1-408-407-00 1-408-407-00	INDUCTOR	6.8UH 6.8UH	
C05 C06 C07	1-124-120-11 1-124-120-11 1-124-791-11	ELECT	220MF 1MF	20% 20%	16V 50V			LINK>		
C08 C09 C10 C11	1-163-097-00 1-163-141-00 1-163-133-00 1-163-037-11	CERAMIC CHIP CERAMIC CHIP	470PF 0.022MF	5% 5% 5% 10% 5%	50V 50V 50V 25V 50V	PS01 A PS02 A	<u> 1-532-727-91</u>	LINK, IC (ICP- LINK, IC 0.25A ANSISTOR>	N15) 0.6A	
C12 C13	1-163-117-00	CERAMIC CHIP	100PF		50V	Q3	g_729-900-53	TRANSISTOR DTO	114EK	
C14 C15 C16 C17	1-163-097-00	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	27PF 0.01MF	5% 5% 5% 10% 10%	50V 50V 50V 25V	Q01 Q02 Q04 Q05	8-729-807-50 8-729-271-22 8-729-807-50	TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC	11623-R 12712-G 11623-R	
C18 C19	1-163-099-00 1-163-809-11 1-163-125-00	CERAMIC CHIP CERAMIC CHIP	18PF 0.047MF 220PF	5% 10% 5%	50V 25V 50V	Q07 Q09 Q10	8-729-807-87	TRANSISTOR DTO TRANSISTOR 2SE TRANSISTOR 2SE	1295-UL6	
C20 C21 C24	1-163-833-00 1-126-101-11	LERAMIC CHIP	0.068MF 100MF	20%	25V 16V	Q11 Q14	8-729-807-87 8-729-807-87	TRANSISTOR 2SI TRANSISTOR 2SI	31295-UL6 31295-UL6	
C25 C27	1-124-477-11 1-163-129-00	CERAMIC CHIE	33021	20% 5% 5%	16V 50V			SISTOR>		
C28 C51 C52	1-163-137-00	CERAMIC CHIE	0.1MF	5%	25V 25V 25V	JW18 JW19 JW20	1-216-295-0 1-216-295-0 1-216-295-0	O METAL GLAZE	5% 5% 5%	1/10W 1/10W 1/10W
C53 C54	1-163-038-00 1-163-038-00	CERAMIC CHI	P 0.1MF		25V 25V	JW21 JW22	1-216-295-0 1-216-295-0	O METAL GLAZE O METAL GLAZE	5% 5%	1/10W 1/10W
C55 C56 C57	1-163-038-00 1-163-038-00 1-124-477-11	CERAMIC CHI		20%	25V 16V	JW23 JW24	1-216-295-0 1-216-295-0 1-216-295-0	O METAL GLAZE O METAL GLAZE	5% 5% 5%	1/10W 1/10W 1/10W
C58 C59 C60	1-124-477-11 1-163-038-00 1-163-133-00	CERAMIC CHI	47MF P 0.1MF P 470PF	20% 5%	16V 25V 50V	JW25 JW26 JW29	1-216-205-0	A WETAL GLATE	5% 5%	1/10 <b>W</b> 1/10 <b>W</b>
		NECTOR>				JW30 JW31	1-216-295-0 1-216-295-0	O METAL GLAZE	5% 5%	1/10W 1/10W
CNVO	3 *1-508-784-00 1 *1-565-393-11	PIN CONNEC	TOR (5MM PI)	CH) 1P		JW32 JW33 JW34	1-216-295-0 1-216-295-0 1-216-295-0	O METAL GLAZE O METAL GLAZE	5% 5% 5%	1/10 <b>6</b> 1/10 <b>6</b> 1/10 <b>6</b>
CNV4 CNV4	2 *1-565-393-11	CONNECTOR,	BOARD TO BO	ARD			1-216-295-0	O METAL GLAZE O METAL GLAZE	5% 5%	1/10 <b>W</b> 1/10 <b>W</b>
		I MMER>				JW43	1-216-295-0	O METAL GLAZE	5%	1/10 <b>W</b>
CT01	1-141-181-11	CAP, TRIMMER	ł			R02 R05 R06	1-216-065-00 1-216-025-00 1-216-049-00	METAL GLAZE	4.7K 5% 100 5% 1K 5% 100 5% 330 5%	1/10W 1/10W 1/10W
DO1		ODE> DIODE RD5.6	M-B2			R07 R08	1-216-049-00 1-216-025-00 1-216-037-00	METAL GLAZE	100 5% 330 5%	1/10₩ 1/10₩
-D02 D03	8-719-106-79 8-719-400-18	DIODE RD13M DIODE MA152 DIODE RD6.8	(-B1		•	R09 R19	1-216-091-00 1-216-077-00	METAL GLAZE	56K 5% 15K 5% 1K 5% 33 5% 33 5%	1/10W 1/10W 1/10W
D07 D08	8-719-106-17	DIODE RD6.8	3M-82			R20 R27 R28	1-216-049-00 1-216-013-00 1-216-013-00	METAL GLAZE	33 5% 33 5%	1/10W 1/10W
D10		DIODE MA152	, w n			R29 R30	1-216-013-00 1-218-325-11	METAL GLAZE	33 5% 120 5%	1/IOW 1/IW
[C]	8-759-038-58 8-759-013-20	IC SDA20162	2- A002			R31 R32 R33	1-218-325-11 1-218-325-11 1-216-023-00	METAL GLAZE METAL GLAZE	120 5% 120 5% 120 5% 82 5%	1/W 1/W 1/OW
1 C2 1 C3 1 C4	8-759-032-98	10 SDA5231 10 SDA5243 10 TC5563AI	PL-12L			R34 R37	1-216-049-00 1-216-025-00	) METAL GLAZE	1K 5% 100 5% 820 5% 470 5% 470 5%	1/:0W 1/:0W 1/:0W
						' R38 R41 R44	1-216-047-00 1-216-041-00 1-216-041-00	) METAL GLAZE	470 5% 470 5%	1/:0W 1/:0W



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93.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
1 -311-00 1-339-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE	1K 5% 6.8 5% 4.7K 5% 4.7K 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		D607 D608 D609 D610 D611	8-719-300-33 8-719-500-67 8-719-911-19	DIODE RU-3AM DIODE D5KC4OH DIODE 1SS119			
1-216-065-00	METAL GLAZE METAL GLAZE	4.7K 5% 2.2K 5% 4.7K 5% 4.7K 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		D612 D613 D615 D616	8-719-911-19 8-719-801-95	DIODE 1SS119 DIODE 2GWJ42			
1-216-081-00 1-216-041-00 1-216-071-00 1-216-065-00 1-216-065-00	METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE METAL GLAZE	22K 5% 470 5% 8.2K 5% 4.7K 5% 4.7K 5%	1/10W 1/10W 1/10W 1/10W 1/10W		G2 G3	*1-508-765-00 *1-508-767-00 *1-564-507-11	PIN, CONNECTOR PIN, CONNECTOR PLUG, CONNECTO	l (5MM PITCH IR 4P	) 3P ) 5P	
1-216-041-00 1-216-041-00	METAL GLAZE METAL GLAZE	470 5% 470 5%	1/10W 1/10W		04					
1-218-780-11	METAL GLAZE	1K 5% 270 5%	1/10W 1/4W		10601			(DM-38)		
			1/4#		1	<01	L>			
						1-408-300-00	INDUCTOR 6	6.80UH		
		IVON IN	*		L605 L606 L607	1-421-329-00 1-410-397-21 1-407-365-00 1-410-397-21	FERRITE BEAD I			
1-567-495-11 1-577-364-11	OSCILLATOR, CER	RAMIC	******	*******	L609 L610 L613 L615	1-410-397-21 1-410-397-21 1-410-397-21 1-459-155-00	FERRITE BEAD I	INDUCTOR 1.	10UH	
M1 415 560 11	******				L618	1-459-155-00	COIL (WITH COF	RE) 45UH		
<caf< td=""><td>PACITOR&gt;</td><td></td><td></td><td>,</td><td></td><td><tra< td=""><td>NSISTOR&gt;</td><td></td><td></td><td></td></tra<></td></caf<>	PACITOR>			,		<tra< td=""><td>NSISTOR&gt;</td><td></td><td></td><td></td></tra<>	NSISTOR>			
1-136-725-11 1-130-725-11 1-130-325-11	FILM FILM FILM	1.5MF 0.039MF 0.039MF 0.15MF 0.15MF	10% 5% 5% 5% 5% 5%	400V 1.25KV 1.25KV 100V 100V	Q601 Q602 Q603 Q604	8-729-905-72 8-729-119-78	TRANSISTOR 250	C4056P C2785-HFE		
1-164-143-11	CERAM!C	1000PF	10%	1 K V 1 K V		<res< td=""><td>SISTOR&gt;</td><td></td><td></td><td></td></res<>	SISTOR>			
1-164-143-11 1-164-144-11 1-164-143-11	CERA/ CERA/ CERA/10	1000PF 1500PF 1000PF	10% 10% 10%	1KV 1KV 1KV	R601 R602 R605	1-215-904-11 1-215-904-11 1-207-451-00 1-207-451-00	METAL OXIDE METAL OXIDE WIREWOUND WIREWOUND	100K 5% 100K 5% 0.1 10% 0.1 10%	2W 2W 1/2W 1/2W	F
1-102-038-00 1-108-843-11	CERAMIC MYLAR	1000PF 0.033MF	10%	507	R607	1-216-370-11	METAL OXIDE	1.2 5%	2₩	F
1-126-176-11	ELECT	220MF	20%	6.3V 50V	R609	1-249-405-11	CARBON	100 5%	1/4W	F
		1000MF *	20%	25V	R611	1-249-417-11	CARBON	1K 5%	1/4W	F
1-124-439-11	ELECT ELECT	2700MF 1000MF	20%	25V					1/4W	F
1-124-568-00 1-124-347-00		47 10 P	20%	160V	R614 R615	1-249-405-11 1-216-363-00	CARBON METAL OXIDE	100 5% 0.33 5%	2W	F F
1-108-843-11		0.033MF 330PF	10% 10%	50V 2KV	R616 R617	1-2 3-00	WIREWOUND	0.33 10%	1/2W	r .
		1000MF	20%	6.3V	R618	1-2 1-00 1-2+3-417-11	WIREWOUND CARBON	0.1 10% 1K 5%	1/2W 1/4W	
. <di< td=""><td>ODE&gt;</td><td></td><td>-</td><td></td><td>R620 R621</td><td>1-249-407-11 1-249-405-11</td><td>CARBON CARBON</td><td>150 5% 100 5%</td><td>1/4W 1/4W</td><td>F F</td></di<>	ODE>		-		R620 R621	1-249-407-11 1-249-405-11	CARBON CARBON	150 5% 100 5%	1/4W 1/4W	F F
	DIODE S3V10S	SS			1					
8-719-500-26 8-719-510-13	DIODE D5KD20	)H LMR								
	1-136-721-21	1-216-065-00   METAL GLAZE   1-216-041-00   METAL GLAZE   1-218-780-11   METAL GLAZE   METAL GLAZE	049-00   METAL GLAZE   1K   5%   1-10-065-00   METAL GLAZE   4.7K   5%   1-216-065-00   METAL GLAZE   4.7K   5%   1-216-041-00   METAL GLAZE   4.7K   5%   1-216-065-00   METAL GLAZE   4.7K   5%   1-216-041-00   METAL GLAZE   4.7K   5%   1-218-780-11   METAL GLAZE   4.7C   5%   1-218-780-11   METAL GLAZE   2.7C   5%   2.7C   2.7C   2.7C   2.7C   2.7C   2.7C   2.7C   2.7	149-00   METAL GLAZE   1K   5%   1/10W    -311-00   METAL GLAZE   6.8   5%   1/10W    -216-065-00   METAL GLAZE   4.7K   5%   1/10W    -216-065-00   METAL GLAZE   2.2K   5%   1/10W    -216-065-00   METAL GLAZE   2.2K   5%   1/10W    -216-065-00   METAL GLAZE   4.7K   5%   1/10W    -216-041-00   METAL GLAZE   4.7K   5%   1/10W    -216-065-00   METAL GLAZE   4.7K   5%   1/10W    -216-041-00   METAL GLAZE   4.7K   5%   1/10W	149-00   METAL GLAZE	149-00   METAL GLAZE   1K   5%   1/10W   D608	149-00	149-00   METAL GLAZE   16   17   17   17   17   18   17   17   18   17   18   17   18   18	149-00   METAL GLAZE   K   52   1/10W   Decoration   De	## 19-00 HETAL GLAZE K \$1 1/10V   5607 8-719-300-33 1/100S RU-3AN   1-216-067-00 METAL GLAZE 4.7K \$5 1/10V   5608 8-719-500-70 1/100 DSK-(40H   1-216-067-00 METAL GLAZE 4.7K \$5 1/10V   5610 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$5 1/10V   5610 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5610 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5610 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 2.7K \$1 1/10V   5615 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-911-9 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-216-067-00 METAL GLAZE 4.7K \$1 1/10V   5615 8-719-91-19 1/100 ISS119   1-21

The components identified by shading and mark  $\Delta$  are critical for safety.

Replace only with part number

Les composants identifies par une trame et une marque 🗘 🦼 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

REF.NO. PART NO.

DESCRIPTION

REMARK

# <TRANSFORMER>

T601 1-424-023-11 TRANSFORMER, LINE FILTER
T602 △1-424-147-11 TRANSFORMER, POWER REGULATION
T603 △1-424-169-11 TRANSFORMER, POWER INSULATED

# MISCELLANEOUS

♠ 1-230-940-31 RESISTOR ASSY, HIGH-VOLTAGE ♠ 1-238-368-11 RESISTOR ASSY, HIGH-VOLTAGE ♠ 1-426-398-11 COIL, DEMAGNETIZATION ♠ 1-451-333-11 DEFLECTION YOKE (Y29FXC) MAGNET, DISK; 10MM ø

T805 A 1-439-443-11 TRANSFORMER ASSY, FLYBACK 901 A 8-733-823-05 PICTURE TUBE (A68JYK60X)

## ACCESSORIES AND PACKING MATERIALS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

PART NO.

DESCRIPTION

REMARK

1-556-248-00 CORD (WITH PLUG)
3-751-978-51 MANUAL, INSTRUCTION (FRENCH)
4-384-027-01 BAG, PROTECTION
24-390-743-01 CUSHION (UPPER) (ASSY)
24-390-744-01 CUSHION (LOWER) (ASSY)

\*4-390-749-01 INDIVIDUAL CARTON SPEAKER SYSTEM (SS-XT291)

# REMOTE COMMANDER

1-465-556-11 REMOTE COMMANDER, PROGRAMMABLE (RM-698) 4-395-610-01 COVER, BATTERY (FOR RM-698)

Sony Corpo tion
TV Grou

English 90H-20035-1 Printed toan © 290, 8

9-964-576-01

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